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INFORMATION

Report

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MEDICARE HOSPITAL INFORMATION

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Volume 51

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WASHINGTON

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LOUIS W. SULLIVAN, M.D.  
*Secretary*  
U.S. Department of Health and Human Services

WILLIAM TOBY  
*Acting Administrator*  
Health Care Financing Administration

# STATES BY VOLUME

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## FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

**The information in this release is not intended as a direct measure of quality of care.** It is best used as a “screening tool”—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question “What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?” Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for “All Causes” for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are briefly described in the Technical Information section of the Introduction to this volume and in more detail in the Technical Supplement (Volume 55).

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

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# INTRODUCTION

The Medicare Hospital Information report contains information on acute care hospitals that treated Medicare patients discharged in Federal fiscal year (FY) 1990 (October 1, 1989—September 30, 1990).

This year's publication set consists of 54 State volumes and a Technical Supplement (Volume 55). There is one volume per State, except that California and Texas have two volumes each, Hawaii is combined with American Samoa and Guam, and Puerto Rico and the Virgin Islands are combined together in one volume.

Each hospital's two summary data pages are arranged alphabetically by hospital name in each State volume. These data pages consist of:

- The hospital's FY 1990 Medicare hospital mortality rates;
- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for FYs 1988—1990 at 30, 90, and 180 days;
- The FY 1990 values for selected explanatory factors used to predict the mortality rates;
- Origins and lengths of stays of Medicare admissions; and
- Hospital characteristics, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey, Certification and Reporting System (OSCAR) file.

*Please note that the information regarding origins and lengths of stays and hospital characteristics are presented strictly for information purposes only. They were not used to calculate the hospital's predicted mortality rates.*

Toward the end of each volume, we include both State and national mortality rates developed by our analysis, as well as the comments we received from individual hospitals.

## DESCRIPTION OF MORTALITY INFORMATION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the four prior years. Only one hospitalization for every patient was used. As in last year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay was selected at random to be analyzed. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients.

Although we publish data only on deaths which occur within 180 days of admission to the hospital, for purposes of analysis our methodology actually considers deaths which occur any time within 365 days of admission (with the exception that no date of death later than April 1, 1991 is used). This is part of the formula which assesses the long-term risk of mortality. With this approach, information about the early and later results of the hospitalization is provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term effects. The choice of at least 180 days allows substantial followup consistent with timely reporting of HCFA data.

We again analyzed the data on a fiscal year, rather than on a calendar year, basis because it allows us to report on recent hospitalizations. Also, new Medicare rules are often instituted on a fiscal year basis.

For each hospital, mortality rates are presented for overall Medicare patient mortality and for eight medical conditions and nine procedures. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate.

The following information will be helpful when reviewing specific information for any given hospital.

## *Number Of Cases*

This is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases randomly selected for each hospital is presented under the category “All Causes.” The eight medical condition and nine surgical procedure categories are subgroupings drawn from the “All Causes” selection. Although a particular patient may appear in only one of the eight medical condition categories, that same patient may also appear in one or more of the nine surgical procedure categories. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight medical condition categories.

The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories do not cover the reason for admission of all the hospitalized Medicare patients in this study. (The ICD-9-CM codes included in each condition and procedure category appear in Table 1 following this Introduction section.)

These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; they do not necessarily represent the cause of death. HCFA does not have access to cause of death information.

## *Observed Mortality Rate (OBS)*

The observed mortality rate for each category is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90, or 180 days of the selected admission. This rate does **not** represent the percentage whose death was caused by a particular condition or procedure.

The percentage is rounded to the nearest one-tenth of one percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90, or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the “All Causes” category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent.

It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission.

### *Predicted Mortality Rate (PRED)*

The predicted mortality rate for each hospital's patients is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics such as:

- Principal diagnosis (grouped into 23 analytical risk categories),
- Age,
- Sex,
- Previous hospital admissions within the prior six months,
- Admission source (e.g., physician reference, skilled nursing facility reference),
- Admission type (e.g., elective or emergency), and
- The presence of up to seven comorbid conditions—cancer, chronic cardiovascular disease, chronic renal disease, chronic liver disease, chronic pulmonary disease, cerebrovascular degeneration, and chronic diabetes. A list of the ICD-9-CM codes defining the comorbid conditions is in Table 2 following this Introduction section.

### *Standard Deviation (SD)*

The standard deviation is a tool to gauge the extent to which the difference between the observed and predicted mortality rate is meaningful. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for possible concern about the institution's performance.

Information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED is included in the Technical Information section of this Introduction. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, dashes (“---”) are placed in the SD column.



## **OBSERVED MORTALITY RATE AND PREDICTED RANGE FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

Also in this year's report, we have presented graphs that display the information for most hospitals described above for FYs 1988 and 1989, as well as FY 1990. (In particular, these graphs could not be computed for hospitals that had 50 or fewer cases or no deaths in FYs 1988, 1989, or 1990). In constructing the graphs, we used 2 times the standard deviation to approximate a 95 percent prediction interval. The observed mortality is shown as a dot (•). The predicted mortality is shown at the middle of a range of mortality rates. The bottom of the range is the predicted mortality minus twice the standard deviation, and the top of the range represents the predicted mortality plus twice the standard deviation. The graphs for FY 1988 and FY 1989 are based on new random samples and new computations for this year's report. Thus, the calculations for some hospitals for FY 1988 and FY 1989 may be different from previous releases, because we are including more current data in this year's report.

## **FY 1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

This year's report includes the FY 1990 average at each hospital of many of the explanatory factors used to predict that hospital's mortality rates. This information provides a profile of the patients used in the analysis and should help to identify possible systematic coding errors in the claims data used to calculate the mortality rates. These percentages are derived from the patients included in the sample and should be applied to the total number of cases listed in "All Causes." It is important to note that neither the admission sources/types nor the comorbidities categories are mutually exclusive. For example, a patient could be both "referred by his personal physician" and "admitted for elective procedure." Similarly, a patient could have secondary diagnoses of both cancer and diabetes.

## **INFORMATION SOURCES AND NOTES**

We believe that when the mortality rate information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital—postadmission mortality for Medicare beneficiaries.

Mortality information is not necessarily representative of a hospital's total performance in all aspects of patient care. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because its patient mix is not fully accounted for by the model.

Accordingly, we offered each hospital the opportunity to review their specific information and to provide comments to HCFA and the public, and we included those comments that were received timely at the end of this volume. Users should read the discussions about the uses and limitations of the mortality information found on page xiii, as well as any comments a hospital may have provided.

### *Hospitals In The Analysis*

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities—all have a zero in the third position of their Medicare provider number. All other hospitals—those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions—were excluded. This year, as in the past two years, we have also excluded hospices.

In some cases, we have included data for hospitals that closed, changed ownership, or changed management either during or subsequent to FY 1990. Our data included for those institutions reflects the situation as it existed at the time the hospitalizations analyzed occurred.

### *Data Sources*

This report is based primarily on Medicare hospital billing information for Federal fiscal years 1988, 1989, and 1990. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file, which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the inpatient care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1991 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year), 98 percent of all Medicare discharges in FY 1990 are included in the file.

### *Possible Limitations Of The Data*

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. For example, last year some hospitals had not accurately reported the source or type of admission, and thus erroneous information was included in the analysis for those hospitals. However, the fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information that might be



missing or inaccurate is such a small portion of the total that it would have little effect on the results for national estimates. Nevertheless, it may substantially affect an individual hospital if it were the source of the inaccurate information.

While we feel that the information used in this analysis is thorough and complete, there are a few points to keep in mind as you review the mortality information.

The information used is billing data; it is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

For example, following last year's public release of the hospital mortality data, several hospitals wrote to HCFA indicating that they had submitted incorrect data. Furthermore, they stated that if they had given us the correct information, their predicted mortality rates would have been higher than those presented in HCFA's report. Therefore, in this year's report we have annotated those hospitals' data pages with a footnote stating: "This hospital says that it submitted inaccurate data to Medicare and claims that its predicted mortality rate should be higher than that presented above." At this point, however, HCFA cannot confirm the validity of those hospitals' claims. The analysis results might very well be different if the data on which they were based were submitted accurately by those hospitals.

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admission fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

#### TYPE AND SOURCE OF ADMISSION FLIPPED

| <u>FI No.</u> | <u>FI Name</u>         | <u>Dates</u>        |
|---------------|------------------------|---------------------|
| 00030         | Arizona Blue Cross     | 10/01/86 — 12/31/88 |
| 00080         | Maryland Blue Cross/DC | 06/01/87 — 09/30/87 |
| 00190         | Maryland Blue Cross    | 06/22/87 — 12/31/88 |
| 00400         | Texas Blue Cross       | 12/07/87 — 12/31/88 |

## HOW TO USE THIS INFORMATION

There are several key points to remember about the use of this information. **First, it is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this report may not be a direct measure of the quality of care rendered in the hospitals.**

Second, the usefulness of this information depends upon the accuracy with which mortality rates can be predicted. We do not currently have any direct measurement tool with which we can fully adjust for severity of patient illness differences among hospitals. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex, and several other factors. This might happen because one hospital's stroke patients may consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population may represent a broader spectrum of patients with cerebrovascular problems, or because these two hospitals, in fact, do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that the information presented in this publication is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including consumers, hospital administrators, physicians, PROs, and researchers.

### *Use By Consumers — Some Key Questions*

Consumers should read carefully the explanations of the uses and limitations of the information. Listed below are some questions that we recommend a consumer think about before choosing a hospital. Please keep in mind that this is not a comprehensive list, but it should serve to illustrate the types of questions that are important to consider.

- Why are the hospital's observed mortality rates for “All Causes” consistently and significantly above the predicted rates for FY 1990?
- Why are the hospital's observed mortality rates for the condition for which I need treatment or the procedure I will undergo consistently and significantly above the predicted rates for FY 1990?
- How does this hospital's pattern of mortality compare with that of other hospitals in the State and Nation?

- Is the number of cases too small to present a satisfactory picture of the hospital?
- Does the hospital treat a large number of cases in the category for which I need treatment?
- Does the hospital treat a large number of patients who have several co-existing illnesses or who otherwise are likely to be “sicker” than average?

### *Other Users Of This Publication*

Among other users of this publication, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. We know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are seeking information that will result in improved health care delivery.

### *Outside Assistance In Developing This Publication*

The development and presentation of the Medicare Hospital Information report continues to be an important part of HCFA's responsibilities in the health care community. To make the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rates significantly exceed the rates that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information reports. Many suggestions from these sources have been incorporated into this report.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies rarely had an effect on a hospital's overall mortality rate. Most of these instances fell into the following two broad categories.

- **Inaccurate Date of Death** — We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was “expired” when the patient had, in fact, left the hospital alive) created many of these errors. We now have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.
- **Discrepant Case Counts** — Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this report.



*We believe it is important for consumers of health care to have access to as much information about hospitals as possible when making health care choices. Along with hospital characteristics information, we have added this year information about the origin and length of stay of Medicare admissions. This information is presented for comparative purposes only and was not used in calculating a hospital's predicted mortality rates. These data were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates.*

## ORIGIN OF MEDICARE ADMISSIONS

Data on the geographic origin of each hospital's patients are presented in this year's report. We obtained from the Health Insurance Master file the State and county of residence for each Medicare beneficiary discharged from a Medicare-certified, acute care hospital during FY 1990. We then compared that information with the location of the hospital to determine the percentage of all discharges where the patient lived within the same city/county as the hospital location, within the State where the hospital is located, or outside the State. The percentages are derived by dividing the number of discharges of beneficiaries in a geographic category by the total number of Medicare discharges from the hospital. Please note that these are percentages of total Medicare discharges, not of the mortality sample alone.

## MEDICARE AVERAGE LENGTH OF STAY

We obtained from the MEDPAR file the total days of care—both Medicare covered and noncovered—and divided that total by the number of discharges from each hospital. Total, rather than covered, days were used because, under the Prospective Payment System (PPS), if a Medicare patient has at least one day of hospital coverage available to him in the current spell of illness, the hospital will be paid the full diagnosis related group (DRG) amount plus any approved outlier amount, regardless of the number of days actually used.

Example: Hospital A had 2,513 Medicare discharges with a total of 24,379 days.

Calculation: 
$$\frac{24,379}{2,513} = 9.7 \text{ days}$$

The Medicare average length of stay is 9.7 days.

## HOSPITAL CHARACTERISTICS

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association's (AHA) 1990 Annual Survey of Hospitals, with the exception of the case mix index (CMI), which was derived from HCFA billing data. This file consists of information voluntarily reported by hospitals to the AHA. In instances where AHA data were unavailable, for example for hospitals that did not respond to the AHA survey, we derived the information from HCFA's Online Survey, Certification and Reporting system (OSCAR). The hospital characteristics and the specific special services listed were selected with the concurrence of the AHA as being those most meaningful to the Medicare population. Information on these specific data elements follows.

### *AHA Definitions (except for CMI)*

**Survey and Year** — AHA 1990. Source is the American Hospital Association's 1990 Annual Survey of Hospital files.

### **Profile**

***Total beds (#)*** — Number of beds (including subacute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

***Occupancy rate (percent)*** — Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

***Ownership/control*** — State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

***Medicare discharges*** — The total number of inpatient discharges for Medicare patients for those hospitals selected for the mortality calculations, including all discharges for persons with more than one hospitalization during the year. (The mortality data include only one randomly selected discharge for each hospitalized enrollee. Therefore, this figure may reflect more discharges than the actual number of cases randomly selected for the mortality study.)



***Case mix index (CMI)*** — A measure of the overall complexity of the Medicare cases treated by a given hospital compared to the complexity of the national average case mix. The CMI represents the relative costliness of each hospital's mix of cases compared to the national average mix of cases. A CMI of greater than one means that a hospital treats more complex cases than average. A CMI of less than one means that a hospital treats less complex cases than average. The CMI for each hospital is calculated on an annual basis. In this report, the CMI presented for each hospital is calculated based on its discharges in FY 1990.

A hospital's CMI is calculated by multiplying the number of cases in each DRG by the relative weight of that DRG, summing the products, and dividing the sum by the total number of cases for the year. For calculating the FY 1990 CMI, use the DRG relative weights published in the *Federal Register*, Volume 54, Number 169, pages 36468 ff., dated September 1, 1989.

### **Staffing (all AHA counts are as of 9/30/90)**

***Total number of physicians*** — Total active and associate medical staff.

***Percent of physicians who are board-certified specialists*** — Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

***Medical residents/interns*** — Full-time equivalent (FTE) medical residents or interns.

***Registered nurses*** — Full-time equivalent (FTE) registered nurses.

***Licensed practical nurses*** — Full-time equivalent (FTE) licensed practical nurses.

### **Specialty Services**

***Burn Unit*** — Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

***Cardiac Intensive Care*** — Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel, and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure,

open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

***Comprehensive Geriatric*** — Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. It includes the assessment of medical conditions, functional activities, and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

***Hospice Care*** — A program providing primarily medical relief of pain and support services to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

***Medical/Surgical Intensive Care*** — Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel, and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not approved in a distinct cardiac care unit. This category is called “intensive care unit” in OSCAR.

***Organ/Tissue Transplant*** — The hospital has the necessary staff and equipment to perform the surgical removal of a viable human organ or tissue from a donor, either living or deceased, and the surgical grafting of the organ/tissue to a suitably evaluated and prepared patient.

***Other Intensive Care*** — Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

***Trauma Center*** — Provides emergency and specialized intensive care to critically injured patients.

## Other Specialty/Hospital-Based Services

***Alcohol/Drug*** — Hospital services for the medical care and/or rehabilitative treatment of outpatients whose primary diagnosis is alcoholism or other chemical dependency.

***Rehabilitation*** — A unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

***Psychiatric*** — Care provided to emotionally disturbed, chronically mentally ill, mentally disordered, or other mentally incompetent patients on the basis of physicians' orders and approved nursing care plans. Beds must be set up and staffed in units specifically designated for this service.

***Medicare Swing Beds*** — The hospital is certified by Medicare to provide “swing bed” services; that is, some acute care beds can be used for skilled nursing facility type care in the hospital for Medicare purposes.

## OSCAR Definitions (except for CMI)

**Survey and Year** — HCFA, most recent year. Data were derived from the Online Survey, Certification and Reporting System (OSCAR).

## Profile

***Total beds (#)*** — Total number of operational beds eligible for Medicare payment.

***Ownership/control*** — Church; private, nonprofit; other nonprofit; proprietary; Federal Government; State government; local government; and hospital district or authority.

***Case mix index (CMI)*** — See definition shown in AHA “Profile” section.

## Staffing

***Medical residents/interns*** — Full-time equivalent (FTE) medical residents or interns.

***Registered nurses*** — Full-time equivalent (FTE) registered nurses.

***Licensed practical nurses*** — Full-time equivalent (FTE) licensed practical nurses.

## Specialty Services

**NOTE:** There are no specific definitions of specialty services in OSCAR. Characteristics are self-reported by each hospital at initial Medicare certification and recertification, and are generally understood to parallel the explicit AHA definitions (above). The AHA categories “comprehensive geriatric” and “other intensive care” are not available in OSCAR. However, they may be included in the OSCAR category of other specialty services (not shown in table).

**Coronary Care** — See definition shown in AHA “Specialty Services” section.

**Intensive Care Unit** — See definition shown in AHA “Specialty Services” section. These units may also include other intensive care units in OSCAR reporting.

**Organ Transplant** — See definition shown in AHA “Organ/Tissue Transplant” section. May include tissue transplants because there is not a separate field in OSCAR for these services.



# TECHNICAL INFORMATION

## DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file for the fiscal years 1987-1990, which contains information on the hospital stays of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration, the Railroad Retirement Board, or the Office of Personnel Management.

Hospital stays with discharges in fiscal years 1988, 1989, and 1990 were used in these analyses. Hospital stays in 1987 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute care hospital stays in short-term (general and specialty) hospitals were selected. These hospitals have a "0" in the third position of their Medicare provider number. Hospital stays in institutions (designated by a "9" in the fourth position of the provider number) and hospital stays in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units (with "special unit codes" of S, T, U and V, respectively, in the third position) were excluded.

## THE MORTALITY MODEL

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospital stays were analyzed separately by analytical category. The analytical categories were created by grouping ICD-9-CM diagnosis codes that had similar mortality patterns. The procedures for creating the analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are detailed in the Technical Supplement.

The mortality experience of the patients was evaluated as a function of time within 365 days of the admission. The factors included in the mortality model used to evaluate each patient's probabilities of death are given in Table 3. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to

complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the 6 months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

## ANALYTIC TECHNIQUES

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for "right censored" observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, "right censoring" occurs when a patient is withdrawn alive from the study April 1, 1991 or at the end of the followup period of 365 days.

The survival function,  $S(t)$ , is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function,  $h(t)$ , also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The probability density function,  $f(t)$ , commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for  $t$ . In some cases, the area under the survival curve is restricted to an interval  $0-t_1$  where  $t_1$  might be one year, for example.



The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k)$$

are the expressions for each of the structural parameters  $\alpha$ ,  $\gamma$ , and  $\delta$  in terms of the  $k$  concomitant variables  $x_i$  and their associated component parameters  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  for  $i=1, 2, \dots, k$  and three intercepts or component parameters  $\alpha_0$ ,  $\gamma_0$ , and  $\delta_0$ . The structural parameter  $\delta$  is the long-term risk which is approached as  $t \rightarrow \infty$ . The structural parameter  $\alpha$  is the initial excess risk which decays with rate constant  $\gamma$ .

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk,  $\delta$ . The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ( $p < 0.05$ ) influences of the probability of death were identified for inclusion in the model. As the model for each of the 23 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 900 cases (more than 300 for codes identified by year). Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients  $\alpha_i$ ,  $\gamma_i$ , and  $\delta_i$  have been estimated, the predicted probability of patient death at any specified time after admission,  $1-S(t)$ , may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytical categories are useful for grouping the patients into relatively risk-homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables and defined in Table 1 were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

## ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

The standard deviation of the predicted mortality rate is used to assess how statistically different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed,  $P$ , and predicted,  $\hat{\Theta}$ , mortality rates.

The residual has four components  $V_1$ ,  $V_2$ ,  $V_3$ , and  $V_4$  where  $V_1$  is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included in the present analysis.

$V_2$  is the binomial variance for  $n$  patients

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}.$$

$V_3$  is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\text{Var}}(\hat{\Theta}) = \left(1 - \frac{1}{n}\right) \widehat{M_2}(\hat{\Theta})$$

where

$$\widehat{M_2(\Theta)} = \left\{ \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\}^2 \left( \frac{1}{z_p^2} \right)$$

The quantity  $z_p$  corresponds to the statistical significance (p-value) of the hospital-specific effect.

$V_4$  is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left( \text{Observed mortality} \right) - \left( \begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

## STANDARDIZED MORTALITY RATIO (SMR)

Another method of evaluating a hospital's performance—the Standardized Mortality Ratio (SMR)—is obtained by dividing the observed mortality rate by the predicted mortality rate. An SMR of one means the observed and predicted mortality are equal. A ratio greater than one means the observed mortality exceeds the predicted. A ratio less than one means the observed mortality is less than expected. The more extreme the ratio (significantly greater than one indicating unusually high mortality and significantly less than one indicating unusually low mortality), the greater the attention which should be paid to the results of this mortality report.

For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed in Table 4. The selected percentiles provide benchmarks for comparison. For example, for a hospital

with 300 cases in the “All Causes” category, with observed mortality of 12.2 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 12.2/10.0 = 1.22.$$

Note that an SMR of one means the observed and predicted mortality are equal, while a ratio greater than one means the observed mortality exceeds the predicted, and a ratio less than one means the observed mortality is less than expected. There will be greater interest in the more extreme ratios, either greater than one — excessively high mortality — or less than one — extremely low mortality.

From Table 4 for FY 1990, we find that the ratio is just below the 75th percentile of 1.23. Hence, slightly under 75 percent of the hospitals have an SMR less than that found at this hospital.

However, for a hospital with 900 cases in the “All Causes” category, with observed mortality of 19.3 percent and predicted probability of 10.0 percent at 30 days, the standardized mortality ratio is

$$\text{SMR} = 19.3/10.0 = 1.93.$$

Since the SMR of 1.93 is greater than the 97.5 percentile of 1.35 (Table 4 for 750 or more cases), there is cause for concern. To further assess this, we examine the displayed data in terms of the measure of uncertainty, the standard deviation.

## MEASURES OF UNCERTAINTY

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table 5 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels of 75, 95 and 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table 5 exceeds the precision of the estimate of the standard deviation. Hence, the following rule-of-thumb represents an adequate approximation to the factors in Table 5 and an adequate guide to the **statistical meaningfulness** of the difference between the observed and the predicted mortality rates.



To illustrate the use of Table 5, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent if the actual is less than the predicted. That is because  $22.9 \text{ percent} = 13.0 \text{ percent} + 1.98 \times 5.0 \text{ percent}$ , the factor 1.98 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Upper Bound," the row "75" for the number of cases, and, by interpolation, between the "10 percent" and the "20 percent" predicted mortality rate columns. Similarly,  $3.3 \text{ percent} = 13.0 \text{ percent} - 1.94 \times 5.0 \text{ percent}$ , the factor -1.94 having been read from the section of Table 5 with the heading "95 Percent Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. Likewise, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

For the graphs, the observed mortality and an approximate 95 percent prediction interval are displayed. The prediction interval has bounds at the predicted mortality plus 2 times the standard deviation and at the predicted minus 2 times the standard deviation.

In the mortality rate tables, the observed and predicted mortality rates and the standard deviation as a measure for statistical importance of the difference are displayed for the overall and each of the conditions and procedures.

## HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents  
Government Printing Office  
Washington, D.C. 20402  
Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to hospitals in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. **Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.**

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration  
Bureau of Data Management and Strategy  
Office of Statistics and Data Management  
3-A-10 Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207  
Telephone: (410) 597-5151



# Table 1

## DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

### CONDITION/PROCEDURE

### ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Heart Disorders/Procedures

Acute Myocardial Infarction  
(AMI)

All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)

*Note: For code 410 a 5th digit was added on October 1, 1989.*

Congestive Heart Failure  
(CHF)

398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)

Angioplasty  
(ANGPLSTY)

All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)

*Note: Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.*

Coronary Artery Bypass Graft  
(CABG)

All of 36.1(P) and not Angioplasty (see above)

Pacemaker Insertion, Initial  
(PACE)

37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

*Note: Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.*

## CONDITION/PROCEDURE

## ICD-9-CM CODES

(D)=Diagnosis code

(P)=Procedure code

### Pulmonary Disorders

Pneumonia/Influenza  
(PNU)

All of 480, all of 481, 482.2, 482.3,  
482.9, 483, 485, 486, 487.0 (all D)

Chronic Obstructive Pulmonary  
(COPD)

All of 491, all of 492, all of 494, Disease  
all of 496; and 466.0, 518.82, 518.5,  
and 786.09 when there is a secondary  
diagnosis of any 496 (all D)

*Note: Code 518.8 got a 5th digit on October 1, 1987. Some  
cases from 799.1 were put into codes 518.81 and  
518.82.*

### Cerebrovascular Disorders/Procedures

Transient Cerebral Ischemia  
(TCI)

433.1, 433.3, 435 (D) and exclude those  
patients with an endarterectomy at the  
time of admission—38.12(P)

Stroke  
(STK)

431, 434 through 434.9, 436 (all D)

Carotid Endarterectomy  
(ENDART)

38.12 (P) with 433.1 (D); 433.3 (D) or  
435(D) as a principal diagnosis

### Musculoskeletal Disorders/Procedures

Fracture of Neck of Femur  
(FXHIP)

All of 820 (D)

Hip Replacement/Revision  
(HIPREP)

81.5, 81.6 (exclude 81.69) (all P). On  
10/1/89 code 81.51 (P) through 81.53  
(P) with same diagnoses.

Open Reduction of Fractured Femur  
(OPRDUX)

79.35(P) on condition of 820 (D) as  
principal diagnosis

**CONDITION/PROCEDURE****ICD-9-CM CODES***(D)=Diagnosis code**(P)=Procedure code***Genitourinary Disorders/Procedures**Prostatectomy  
(PROS)

60.2, 60.3 through 60.69 (all P)

Hysterectomy  
(HYS)

68.3 through 68.7 (P)

**Gastrointestinal Disorders/Procedures**Cholecystectomy  
(CHOLOTMY)

51.22 (P)

**Sepsis**

Sepsis

003.1, 020.2, 022.3, 036.2, 036.3,  
036.89, 036.9, 038.0, 038.1, 038.2,  
038.3, 038.40, 038.41, 038.42, 038.43,  
038.44, 038.49, 038.8, 038.9, 054.5

**Table 2**  
**COMORBIDITY CONDITIONS**  
(all are D codes)

| COMORBIDITY                    | ICD-9-CM CODES                                                                                   |
|--------------------------------|--------------------------------------------------------------------------------------------------|
| Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                                 |
| Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                             |
| Chronic liver disease          | 571-572.8                                                                                        |
| Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11,<br>403.91, 404.02, 404.03, 404.12, 404.13,<br>404.92, 404.93 |
| Chronic diabetes               | 250.01, 250.1-250.91                                                                             |
| Chronic pulmonary disease      | 491-493.91, 496                                                                                  |
| Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                             |



# Table 3

## EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

### Demographics

SXFM                      An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP if SXFM = 1, 0 otherwise

AGEML = AGESP if SXFM = 0, 0 otherwise

where

$$AGESP = \text{sign}(W-65) \left( \left| \frac{W-65}{65} \right| \right)^{1.44}$$

and

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

### Comorbidities

### ICD-9-CM Codes

(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)

|     |                                |                                                                                            |
|-----|--------------------------------|--------------------------------------------------------------------------------------------|
| CCA | Cancer                         | 141-160.9, 162-172.9, 174-208.91                                                           |
| CCV | Chronic cardiovascular disease | 412-414.9, 426-429.1                                                                       |
| CLV | Chronic liver disease          | 571-572.8                                                                                  |
| CRN | Chronic renal disease          | 582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 |
| CDI | Chronic diabetes               | 250.01, 250.1-250.91                                                                       |
| COP | Chronic pulmonary disease      | 491-493.91, 496                                                                            |
| CCE | Cerebrovascular degeneration   | 290-290.9, 294-299.9                                                                       |

## Co Occurrence of Comorbidities

|         |                                       |
|---------|---------------------------------------|
| COP_CCV | 1 if COP = 1 and CCV = 1, 0 otherwise |
| CCA_CCV | 1 if CCA = 1 and CCV = 1, 0 otherwise |
| COP_CCA | 1 if COP = 1 and CCA = 1, 0 otherwise |
| CCE_CCV | 1 if CCE = 1 and CCV = 1, 0 otherwise |
| CRN_CCV | 1 if CRN = 1 and CCV = 1, 0 otherwise |

## Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

|       |                                                   |
|-------|---------------------------------------------------|
| PREF  | Patient referred by personal or HMO physician     |
| TRSNF | Patient transferred from skilled nursing facility |
| ELCT  | Patient admitted for elective procedure           |
| EMRG  | Patient admitted for emergency                    |

## Co-Occurrence of Admission Source and Type

PREF\_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

## Previous Hospitalizations

|         |                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------|
| P_RISK1 | Number at 1st risk level with 3 or more set to 3                                                            |
| P_RISK2 | Number at 2nd risk level with 3 or more set to 3                                                            |
| P_RISK3 | Number at 3rd risk level with 3 or more set to 3                                                            |
| P_RISK4 | Number at 4th risk level with 4 or more set to 4                                                            |
| P_RISK5 | Number at 5th risk level with 3 or more set to 3                                                            |
| F(T)    | Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise |

## Time Trend

|        |                                                                                   |
|--------|-----------------------------------------------------------------------------------|
| FLAG89 | 1 if discharge in FY1989, 0 otherwise                                             |
| FLAG90 | 1 if discharge in FY1990, 0 otherwise                                             |
| INYEAR | Difference between current admission date and April 1 of fiscal year of discharge |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1990

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |       |       |       |       | 90 DAYS |       |       |       |       | 180 DAYS |       |       |       |       |
|--------------------------|---------------------------|---------|-------|-------|-------|-------|---------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
|                          |                           | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%    | 25%   | 50%   | 75%   | 97.5% | 2.5%     | 25%   | 50%   | 75%   | 97.5% |
|                          |                           | -----   | ----- | ----- | ----- | ----- | -----   | ----- | ----- | ----- | ----- | -----    | ----- | ----- | ----- | ----- |
| OVERALL( < 750 CASES )   | 2645                      | 0.45    | 0.88  | 1.04  | 1.23  | 1.72  | 0.56    | 0.90  | 1.03  | 1.17  | 1.54  | 0.61     | 0.90  | 1.02  | 1.15  | 1.46  |
| OVERALL( >= 750 CASES)   | 2684                      | 0.73    | 0.91  | 0.99  | 1.09  | 1.35  | 0.79    | 0.94  | 1.01  | 1.09  | 1.28  | 0.82     | 0.94  | 1.01  | 1.08  | 1.24  |
| CONDITIONS               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| AMI                      | 1405                      | 0.54    | 0.80  | 0.95  | 1.11  | 1.42  | 0.62    | 0.86  | 0.99  | 1.14  | 1.44  | 0.63     | 0.86  | 0.99  | 1.13  | 1.39  |
| CHF                      | 2335                      | 0.43    | 0.79  | 0.98  | 1.17  | 1.64  | 0.60    | 0.85  | 0.99  | 1.13  | 1.49  | 0.66     | 0.89  | 1.00  | 1.13  | 1.41  |
| PNEUMONIA/INFLUENZA      | 2428                      | 0.41    | 0.78  | 0.97  | 1.18  | 1.68  | 0.53    | 0.84  | 1.00  | 1.17  | 1.55  | 0.57     | 0.86  | 1.01  | 1.16  | 1.50  |
| COPD                     | 435                       | 0.00    | 0.63  | 0.97  | 1.34  | 2.06  | 0.30    | 0.78  | 1.02  | 1.26  | 1.74  | 0.40     | 0.82  | 1.01  | 1.24  | 1.69  |
| TRANS. CEREBRAL ISCHEMIA | 404                       | 0.00    | 0.00  | 0.83  | 1.34  | 3.20  | 0.00    | 0.48  | 0.85  | 1.31  | 2.27  | 0.21     | 0.60  | 0.90  | 1.21  | 2.05  |
| STROKE                   | 1789                      | 0.53    | 0.79  | 0.95  | 1.13  | 1.56  | 0.61    | 0.84  | 0.98  | 1.13  | 1.47  | 0.65     | 0.87  | 0.99  | 1.12  | 1.42  |
| HIP FRACTURE             | 1199                      | 0.21    | 0.67  | 0.93  | 1.27  | 2.10  | 0.40    | 0.76  | 0.94  | 1.19  | 1.80  | 0.47     | 0.78  | 0.97  | 1.16  | 1.64  |
| SEPSIS                   | 254                       | 0.51    | 0.79  | 0.96  | 1.12  | 1.50  | 0.65    | 0.86  | 0.99  | 1.13  | 1.47  | 0.69     | 0.89  | 1.01  | 1.15  | 1.44  |
| PROCEDURES               |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| -----                    |                           |         |       |       |       |       |         |       |       |       |       |          |       |       |       |       |
| ANGIOPLASTY              | 425                       | 0.00    | 0.49  | 0.89  | 1.33  | 2.66  | 0.00    | 0.60  | 0.93  | 1.36  | 2.34  | 0.00     | 0.63  | 0.97  | 1.34  | 2.14  |
| CABG                     | 556                       | 0.20    | 0.68  | 1.03  | 1.39  | 2.45  | 0.28    | 0.73  | 1.00  | 1.32  | 2.09  | 0.28     | 0.73  | 1.01  | 1.30  | 2.10  |
| PACEMAKER                | 112                       | 0.00    | 0.41  | 0.72  | 1.37  | 3.25  | 0.20    | 0.61  | 0.90  | 1.21  | 2.17  | 0.21     | 0.65  | 0.84  | 1.16  | 1.87  |
| CAROTID ENDARTERECTOMY   | 73                        | 0.00    | 0.00  | 0.85  | 1.33  | 2.90  | 0.00    | 0.14  | 0.74  | 1.28  | 2.43  | 0.00     | 0.42  | 0.86  | 1.38  | 2.86  |
| HIP REPLACEMENT          | 763                       | 0.00    | 0.53  | 0.94  | 1.44  | 2.77  | 0.19    | 0.67  | 0.96  | 1.31  | 2.12  | 0.26     | 0.71  | 0.94  | 1.26  | 1.91  |
| REDUCT. OF HIP FRACTURE  | 276                       | 0.00    | 0.56  | 0.86  | 1.22  | 2.05  | 0.31    | 0.68  | 0.92  | 1.19  | 1.76  | 0.38     | 0.77  | 0.96  | 1.12  | 1.58  |
| PROSTATECTOMY            | 1576                      | 0.00    | 0.00  | 0.73  | 1.57  | 3.56  | 0.00    | 0.49  | 0.91  | 1.40  | 2.63  | 0.00     | 0.57  | 0.92  | 1.29  | 2.21  |
| CHOLECYSTECTOMY          | 714                       | 0.00    | 0.49  | 0.95  | 1.54  | 2.68  | 0.00    | 0.62  | 0.93  | 1.37  | 2.22  | 0.22     | 0.67  | 0.98  | 1.27  | 1.93  |
| HYSTERECTOMY             | 113                       | 0.00    | 0.00  | 0.00  | 2.00  | 6.69  | 0.00    | 0.00  | 0.76  | 1.70  | 3.59  | 0.00     | 0.24  | 0.75  | 1.27  | 2.91  |

TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1989

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      | 90 DAYS |      |      |      | 180 DAYS |       |      |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|---------|------|------|------|----------|-------|------|------|------|------|-------|
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5%   | 2.5% | 25%  | 50%  | 75%      | 97.5% | 2.5% | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2746                      | 0.50    | 0.87 | 1.04 | 1.23 | 1.73    | 0.58 | 0.89 | 1.03 | 1.17     | 1.54  | 0.61 | 0.89 | 1.01 | 1.14 | 1.44  |
| OVERALL( >= 750 CASES)   | 2669                      | 0.71    | 0.90 | 1.00 | 1.09 | 1.35    | 0.79 | 0.94 | 1.01 | 1.08     | 1.28  | 0.82 | 0.95 | 1.01 | 1.07 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |         |      |      |      |          |       |      |      |      |      |       |
| -----                    |                           |         |      |      |      |         |      |      |      |          |       |      |      |      |      |       |
| AMI                      | 1412                      | 0.53    | 0.81 | 0.96 | 1.12 | 1.47    | 0.59 | 0.86 | 1.01 | 1.15     | 1.47  | 0.63 | 0.87 | 1.00 | 1.14 | 1.43  |
| CHF                      | 2293                      | 0.47    | 0.80 | 0.97 | 1.18 | 1.69    | 0.58 | 0.86 | 1.00 | 1.14     | 1.48  | 0.66 | 0.89 | 1.02 | 1.14 | 1.40  |
| PNEUMONIA/INFLUENZA      | 2179                      | 0.45    | 0.77 | 0.97 | 1.19 | 1.67    | 0.54 | 0.85 | 1.01 | 1.18     | 1.55  | 0.60 | 0.86 | 1.02 | 1.18 | 1.51  |
| COPD                     | 324                       | 0.21    | 0.68 | 0.99 | 1.32 | 2.13    | 0.44 | 0.78 | 1.04 | 1.27     | 1.91  | 0.49 | 0.84 | 1.04 | 1.24 | 1.66  |
| TRANS. CEREBRAL ISCHEMIA | 420                       | 0.00    | 0.00 | 0.79 | 1.41 | 3.26    | 0.00 | 0.46 | 0.88 | 1.33     | 2.36  | 0.18 | 0.60 | 0.92 | 1.25 | 1.97  |
| STROKE                   | 1728                      | 0.53    | 0.80 | 0.95 | 1.12 | 1.56    | 0.62 | 0.85 | 0.97 | 1.11     | 1.46  | 0.67 | 0.88 | 0.99 | 1.13 | 1.40  |
| HIP FRACTURE             | 1126                      | 0.24    | 0.67 | 0.95 | 1.30 | 2.04    | 0.39 | 0.75 | 0.98 | 1.21     | 1.71  | 0.46 | 0.78 | 0.97 | 1.18 | 1.59  |
| SEPSIS                   | 174                       | 0.52    | 0.79 | 0.94 | 1.10 | 1.52    | 0.63 | 0.88 | 1.02 | 1.15     | 1.46  | 0.68 | 0.93 | 1.05 | 1.16 | 1.43  |
| PROCEDURES               |                           |         |      |      |      |         |      |      |      |          |       |      |      |      |      |       |
| -----                    |                           |         |      |      |      |         |      |      |      |          |       |      |      |      |      |       |
| ANGIOPLASTY              | 370                       | 0.00    | 0.46 | 0.84 | 1.35 | 2.55    | 0.00 | 0.55 | 0.88 | 1.33     | 2.52  | 0.00 | 0.61 | 0.94 | 1.32 | 2.44  |
| CABG                     | 501                       | 0.21    | 0.65 | 1.00 | 1.47 | 2.57    | 0.23 | 0.69 | 1.00 | 1.33     | 2.29  | 0.32 | 0.74 | 1.01 | 1.33 | 2.21  |
| PACEMAKER                | 91                        | 0.00    | 0.52 | 0.74 | 1.12 | 2.31    | 0.00 | 0.56 | 0.83 | 1.15     | 2.14  | 0.20 | 0.68 | 0.81 | 1.16 | 1.87  |
| CAROTID ENDARTERECTOMY   | 55                        | 0.00    | 0.00 | 0.82 | 1.51 | 5.01    | 0.00 | 0.47 | 0.86 | 1.31     | 4.00  | 0.00 | 0.43 | 0.85 | 1.28 | 3.12  |
| HIP REPLACEMENT          | 686                       | 0.00    | 0.52 | 0.92 | 1.44 | 2.46    | 0.00 | 0.65 | 0.94 | 1.27     | 1.95  | 0.21 | 0.67 | 0.94 | 1.19 | 1.75  |
| REDUCT. OF HIP FRACTURE  | 246                       | 0.19    | 0.57 | 0.91 | 1.23 | 1.96    | 0.31 | 0.71 | 0.96 | 1.19     | 1.74  | 0.41 | 0.78 | 0.96 | 1.13 | 1.53  |
| PROSTATECTOMY            | 1570                      | 0.00    | 0.00 | 0.67 | 1.50 | 3.46    | 0.00 | 0.47 | 0.86 | 1.36     | 2.67  | 0.00 | 0.58 | 0.93 | 1.28 | 2.15  |
| CHOLECYSTECTOMY          | 680                       | 0.00    | 0.53 | 0.94 | 1.53 | 2.90    | 0.00 | 0.62 | 0.97 | 1.36     | 2.15  | 0.22 | 0.66 | 0.95 | 1.26 | 1.98  |
| HYSTERECTOMY             | 101                       | 0.00    | 0.00 | 0.00 | 1.80 | 5.44    | 0.00 | 0.00 | 0.78 | 1.60     | 4.21  | 0.00 | 0.00 | 0.91 | 1.38 | 2.99  |



TABLE 4  
SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES  
1990 STUDY, FY1988

| CONDITIONS/PROCEDURES    | NUMBER<br>OF<br>HOSPITALS | 30 DAYS |      |      |      |       | 90 DAYS |      |      |      |       | 180 DAYS |      |      |      |       |
|--------------------------|---------------------------|---------|------|------|------|-------|---------|------|------|------|-------|----------|------|------|------|-------|
|                          |                           | -----   |      |      |      |       | -----   |      |      |      |       | -----    |      |      |      |       |
|                          |                           | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%    | 25%  | 50%  | 75%  | 97.5% | 2.5%     | 25%  | 50%  | 75%  | 97.5% |
| OVERALL( < 750 CASES )   | 2838                      | 0.46    | 0.89 | 1.05 | 1.23 | 1.75  | 0.54    | 0.90 | 1.03 | 1.16 | 1.57  | 0.59     | 0.90 | 1.02 | 1.14 | 1.45  |
| OVERALL( >= 750 CASES)   | 2693                      | 0.73    | 0.90 | 1.00 | 1.10 | 1.35  | 0.79    | 0.94 | 1.01 | 1.09 | 1.27  | 0.82     | 0.95 | 1.01 | 1.08 | 1.24  |
| CONDITIONS               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| AMI                      | 1414                      | 0.56    | 0.82 | 0.96 | 1.12 | 1.41  | 0.63    | 0.87 | 1.01 | 1.14 | 1.42  | 0.65     | 0.89 | 1.00 | 1.13 | 1.39  |
| CHF                      | 2246                      | 0.45    | 0.79 | 0.97 | 1.18 | 1.61  | 0.60    | 0.86 | 1.00 | 1.14 | 1.43  | 0.68     | 0.90 | 1.02 | 1.13 | 1.37  |
| PNEUMONIA/INFLUENZA      | 2069                      | 0.44    | 0.79 | 0.97 | 1.17 | 1.68  | 0.57    | 0.85 | 1.01 | 1.17 | 1.59  | 0.61     | 0.87 | 1.01 | 1.16 | 1.53  |
| COPD                     | 310                       | 0.21    | 0.67 | 0.92 | 1.30 | 2.17  | 0.39    | 0.79 | 0.98 | 1.20 | 1.81  | 0.51     | 0.82 | 0.99 | 1.19 | 1.59  |
| TRANS. CEREBRAL ISCHEMIA | 495                       | 0.00    | 0.00 | 0.84 | 1.48 | 2.94  | 0.00    | 0.48 | 0.92 | 1.39 | 2.28  | 0.21     | 0.60 | 0.92 | 1.27 | 1.92  |
| STROKE                   | 1726                      | 0.51    | 0.79 | 0.95 | 1.12 | 1.56  | 0.60    | 0.84 | 0.98 | 1.13 | 1.44  | 0.64     | 0.88 | 1.00 | 1.13 | 1.42  |
| HIP FRACTURE             | 1119                      | 0.24    | 0.65 | 0.96 | 1.27 | 2.07  | 0.40    | 0.78 | 0.98 | 1.21 | 1.77  | 0.47     | 0.80 | 0.98 | 1.17 | 1.64  |
| SEPSIS                   | 133                       | 0.58    | 0.77 | 0.92 | 1.08 | 1.64  | 0.56    | 0.86 | 1.00 | 1.13 | 1.54  | 0.67     | 0.88 | 1.02 | 1.14 | 1.53  |
| PROCEDURES               |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| -----                    |                           |         |      |      |      |       |         |      |      |      |       |          |      |      |      |       |
| ANGIOPLASTY              | 297                       | 0.00    | 0.50 | 0.87 | 1.35 | 2.60  | 0.00    | 0.59 | 0.91 | 1.34 | 2.50  | 0.00     | 0.65 | 0.95 | 1.31 | 2.25  |
| CABG                     | 478                       | 0.21    | 0.68 | 0.98 | 1.39 | 2.40  | 0.32    | 0.73 | 1.00 | 1.36 | 2.12  | 0.38     | 0.75 | 1.01 | 1.31 | 2.04  |
| PACEMAKER                | 83                        | 0.00    | 0.34 | 0.65 | 1.04 | 1.75  | 0.01    | 0.54 | 0.85 | 1.03 | 1.70  | 0.23     | 0.69 | 0.87 | 1.10 | 1.57  |
| CAROTID ENDARTERECTOMY   | 69                        | 0.00    | 0.00 | 0.60 | 1.23 | 3.30  | 0.00    | 0.33 | 0.62 | 1.09 | 2.50  | 0.00     | 0.44 | 0.68 | 1.16 | 1.87  |
| HIP REPLACEMENT          | 670                       | 0.00    | 0.49 | 0.95 | 1.40 | 2.65  | 0.00    | 0.66 | 1.01 | 1.31 | 2.15  | 0.24     | 0.70 | 0.96 | 1.24 | 1.87  |
| REDUCT. OF HIP FRACTURE  | 259                       | 0.00    | 0.61 | 0.91 | 1.26 | 2.16  | 0.38    | 0.74 | 0.96 | 1.21 | 1.94  | 0.44     | 0.77 | 0.96 | 1.16 | 1.79  |
| PROSTATECTOMY            | 1619                      | 0.00    | 0.00 | 0.78 | 1.53 | 3.69  | 0.00    | 0.54 | 0.92 | 1.39 | 2.57  | 0.00     | 0.61 | 0.93 | 1.30 | 2.21  |
| CHOLECYSTECTOMY          | 642                       | 0.00    | 0.50 | 0.96 | 1.44 | 3.04  | 0.00    | 0.61 | 0.96 | 1.36 | 2.26  | 0.25     | 0.66 | 0.96 | 1.27 | 2.01  |
| HYSTERECTOMY             | 90                        | 0.00    | 0.00 | 0.00 | 1.57 | 5.00  | 0.00    | 0.00 | 0.68 | 1.43 | 2.83  | 0.00     | 0.28 | 0.67 | 1.15 | 2.88  |

**TABLE 5: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS**  
(n is the number of cases at your hospital and p is the predicted mortality rate)

| p | n    | 99% Prediction Interval |      |      |      |      | 95% Prediction Interval |      |      |      |      | 75% Prediction Interval |      |      |      |      |
|---|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|-------------------------|------|------|------|------|
|   |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      | Factor for Upper Bound  |      |      |      |      |
|   |      | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  | 1%                      | 5%   | 10%  | 20%  | 40%  |
|   | 25   | 2.95                    | 2.73 | 2.68 | 2.63 | 2.59 | 2.15                    | 2.04 | 2.01 | 1.99 | 1.97 | 1.17                    | 1.16 | 1.16 | 1.15 | 1.15 |
|   | 50   | 2.76                    | 2.65 | 2.63 | 2.60 | 2.58 | 2.05                    | 2.00 | 1.99 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 75   | 2.70                    | 2.63 | 2.61 | 2.59 | 2.58 | 2.02                    | 1.99 | 1.98 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 100  | 2.67                    | 2.61 | 2.60 | 2.59 | 2.58 | 2.01                    | 1.98 | 1.97 | 1.97 | 1.96 | 1.16                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 150  | 2.64                    | 2.60 | 2.59 | 2.59 | 2.58 | 1.99                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 200  | 2.62                    | 2.60 | 2.59 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.97 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 300  | 2.61                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.98                    | 1.97 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 400  | 2.60                    | 2.59 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 500  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 750  | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.97                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 1000 | 2.59                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 2000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |
|   | 5000 | 2.58                    | 2.58 | 2.58 | 2.58 | 2.58 | 1.96                    | 1.96 | 1.96 | 1.96 | 1.96 | 1.15                    | 1.15 | 1.15 | 1.15 | 1.15 |

| p | n    | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|---|------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|
|   |      | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       | Factor for Lower Bound |       |       |       |       |
|   |      | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   | 1%                     | 5%    | 10%   | 20%   | 40%   |
|   | 25   | -2.21                  | -2.42 | -2.48 | -2.52 | -2.56 | -1.77                  | -1.88 | -1.91 | -1.93 | -1.95 | -1.13                  | -1.14 | -1.14 | -1.15 | -1.15 |
|   | 50   | -2.39                  | -2.50 | -2.53 | -2.55 | -2.57 | -1.87                  | -1.92 | -1.93 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 75   | -2.45                  | -2.52 | -2.54 | -2.56 | -2.57 | -1.90                  | -1.93 | -1.94 | -1.95 | -1.96 | -1.14                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 100  | -2.48                  | -2.54 | -2.55 | -2.56 | -2.57 | -1.91                  | -1.94 | -1.95 | -1.95 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 150  | -2.51                  | -2.55 | -2.56 | -2.57 | -2.57 | -1.93                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 200  | -2.53                  | -2.56 | -2.56 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.95 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 300  | -2.54                  | -2.56 | -2.57 | -2.57 | -2.57 | -1.94                  | -1.95 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 400  | -2.55                  | -2.57 | -2.57 | -2.57 | -2.57 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 500  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 750  | -2.56                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.95                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 1000 | -2.57                  | -2.57 | -2.57 | -2.57 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 2000 | -2.57                  | -2.57 | -2.57 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |
|   | 5000 | -2.57                  | -2.58 | -2.58 | -2.58 | -2.58 | -1.96                  | -1.96 | -1.96 | -1.96 | -1.96 | -1.15                  | -1.15 | -1.15 | -1.15 | -1.15 |

**Medicare  
Hospital  
Information**

# ALLENMORE HOSPITAL

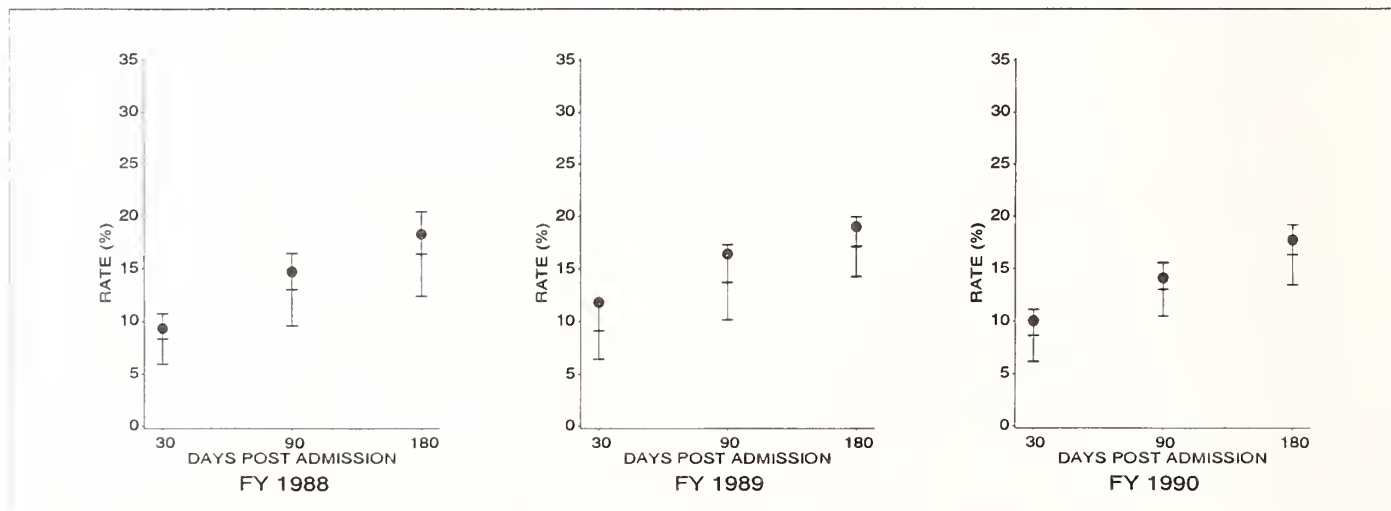
S 19TH & UNION, BOX 11414  
TACOMA, WA 98411  
Medicare Provider Number: 500042

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1062            | 10.0                | 8.6  | 1.2   | 14.1    | 13.0 | 1.3   | 17.7     | 16.3 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 32              | 25.0                | 25.1 | ----- | 25.0    | 28.8 | ----- | 28.1     | 31.9 | ----- |
| Congestive Heart Failure.....              | 55              | 21.8                | 13.1 | 6.9   | 27.3    | 20.8 | 6.8   | 29.1     | 26.7 | 6.2   |
| Pneumonia/Influenza.....                   | 58              | 10.3                | 14.7 | 9.2   | 12.1    | 20.4 | 10.7  | 20.7     | 24.2 | 9.8   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 17.6                | 5.5  | ----- | 23.5    | 10.2 | ----- | 23.5     | 14.3 | ----- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 2.3  | ----- | 11.1    | 5.0  | ----- | 22.2     | 7.9  | ----- |
| Stroke.....                                | 44              | 18.2                | 19.7 | ----- | 27.3    | 26.3 | ----- | 34.1     | 30.7 | ----- |
| Hip Fracture.....                          | 66              | 4.5                 | 6.3  | 3.5   | 7.6     | 11.6 | 5.6   | 12.1     | 15.5 | 5.6   |
| Sepsis.....                                | 1               | 0.0                 | 6.6  | ----- | 0.0     | 9.9  | ----- | 0.0      | 11.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 3.9  | ----- | 16.7    | 7.9  | ----- | 16.7     | 12.0 | ----- |
| Carotid Endarterectomy.....                | 1               | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.4  | ----- |
| Hip Replacement/Reconstruction.....        | 28              | 3.6                 | 3.4  | ----- | 3.6     | 6.5  | ----- | 7.1      | 8.9  | ----- |
| Open Reduction of Hip Fracture.....        | 27              | 3.7                 | 6.1  | ----- | 7.4     | 11.5 | ----- | 14.8     | 15.2 | ----- |
| Prostatectomy.....                         | 54              | 1.9                 | 0.7  | 1.7   | 1.9     | 1.7  | 1.9   | 1.9      | 3.2  | 2.6   |
| Cholecystectomy.....                       | 34              | 0.0                 | 2.5  | ----- | 0.0     | 5.0  | ----- | 8.8      | 7.0  | ----- |
| Hysterectomy.....                          | 13              | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ALLENMORE HOSPITAL

Medicare Provider Number: 500042

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.7 years  
Proportion female..... 60.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 28.0 %  
Admitted for emergency..... 47.0 %

### COMORBIDITIES:

Cancer..... 7.8 %  
Chronic cardiovascular disease..... 35.1 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 23.7 %  
Cerebrovascular degeneration..... 5.9 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.4%  
State ..... 5.4%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 105  
Occupancy Rate ..... 28.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.2610

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# AUBURN GENERAL HOSPITAL

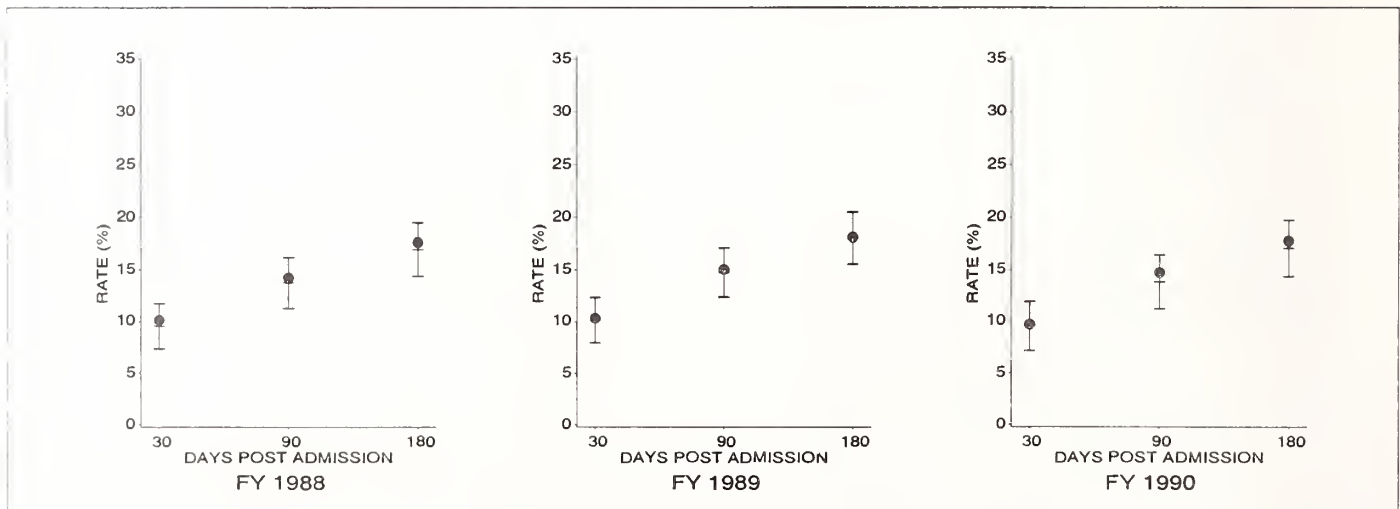
20 SECOND ST SE  
AUBURN, WA 98002  
Medicare Provider Number: 500015

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1039            | 9.7                 | 9.5  | 1.2   | 14.7    | 13.8 | 1.3   | 17.7     | 17.0 | 1.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 48              | 18.8                | 28.6 | ----- | 25.0    | 31.3 | ----- | 25.0     | 33.9 | ----- |
| Congestive Heart Failure.....              | 52              | 19.2                | 15.4 | 6.1   | 36.5    | 24.4 | 9.6   | 42.3     | 30.6 | 9.9   |
| Pneumonia/Influenza.....                   | 55              | 14.5                | 12.8 | 5.6   | 18.2    | 17.8 | 5.7   | 23.6     | 21.6 | 6.8   |
| Chronic Obstructive Pulmonary Disease..... | 27              | 11.1                | 10.0 | ----- | 18.5    | 16.9 | ----- | 18.5     | 21.6 | ----- |
| Transient Cerebral Ischemia.....           | 13              | 0.0                 | 0.8  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.5  | ----- |
| Stroke.....                                | 41              | 22.0                | 19.6 | ----- | 29.3    | 26.2 | ----- | 31.7     | 30.2 | ----- |
| Hip Fracture.....                          | 25              | 8.0                 | 6.2  | ----- | 16.0    | 11.4 | ----- | 16.0     | 15.5 | ----- |
| Sepsis.....                                | 8               | 37.5                | 25.8 | ----- | 37.5    | 33.7 | ----- | 37.5     | 37.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 12              | 16.7                | 9.9  | ----- | 16.7    | 11.0 | ----- | 16.7     | 12.0 | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 2.9  | ----- | 0.0     | 5.8  | ----- | 0.0      | 9.0  | ----- |
| Carotid Endarterectomy.....                | 8               | 0.0                 | 1.4  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 21              | 4.8                 | 3.1  | ----- | 9.5     | 5.8  | ----- | 9.5      | 8.3  | ----- |
| Open Reduction of Hip Fracture.....        | 13              | 0.0                 | 5.8  | ----- | 7.7     | 10.7 | ----- | 7.7      | 14.4 | ----- |
| Prostatectomy.....                         | 58              | 0.0                 | 0.5  | 1.1   | 1.7     | 1.3  | 1.6   | 1.7      | 2.4  | 2.1   |
| Cholecystectomy.....                       | 30              | 3.3                 | 1.0  | ----- | 3.3     | 1.9  | ----- | 3.3      | 2.6  | ----- |
| Hysterectomy.....                          | 14              | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# AUBURN GENERAL HOSPITAL

Medicare Provider Number: 500015

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.5 years  
Proportion female..... 53.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 28.2 %  
Admitted for emergency..... 49.2 %

### COMORBIDITIES:

Cancer..... 6.4 %  
Chronic cardiovascular disease..... 33.6 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 2.9 %  
Chronic pulmonary disease..... 14.0 %  
Cerebrovascular degeneration..... 5.7 %  
Diabetes mellitus..... 6.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 84.9%  
State ..... 12.0%  
Outside State ..... 3.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 100  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 30.9 %  
Case Mix Index (CMI) ..... 1.3351

### STAFFING:

Total Number of Physicians..... 113  
Percent of Physicians Board  
Certified Specialists..... 81.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 123  
Licensed Practical Nurses ..... 13

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# BALLARD COMMUNITY HOSPITAL

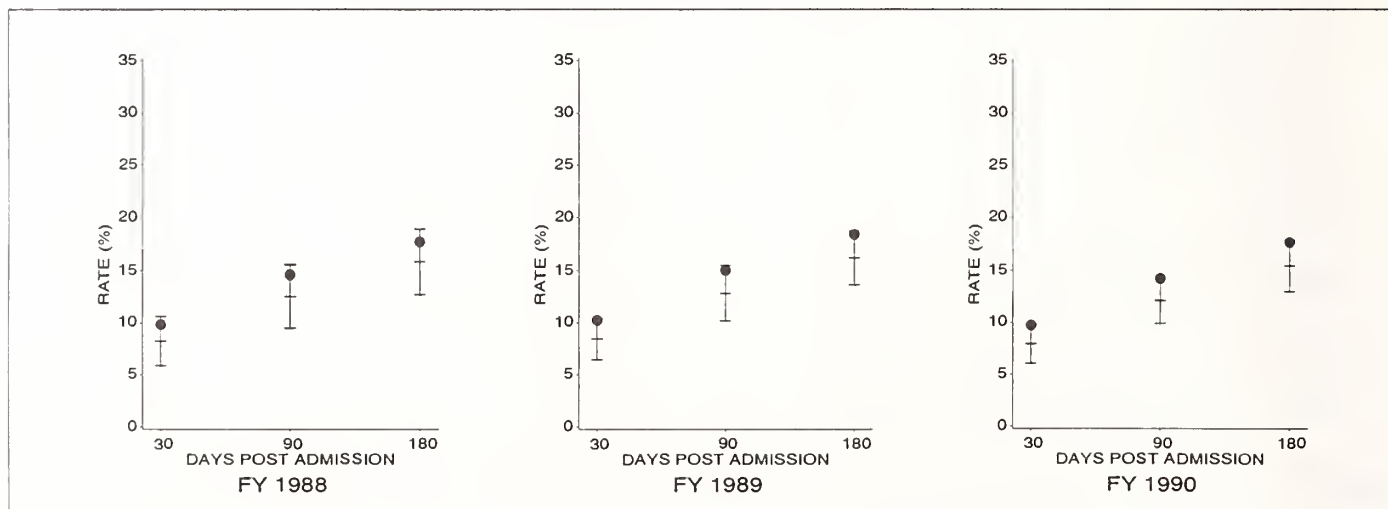
5409 BARNES AVENUE NW  
SEATTLE, WA 98107  
Medicare Provider Number: 500078

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1533            | 9.7                 | 7.9  | 0.9   | 14.2    | 12.1 | 1.1   | 17.6     | 15.4 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 60              | 20.0                | 19.4 | 5.2   | 20.0    | 23.1 | 5.9   | 23.3     | 26.0 | 5.8   |
| Congestive Heart Failure.....              | 90              | 23.3                | 14.6 | 6.4   | 32.2    | 22.7 | 6.5   | 35.6     | 29.0 | 6.7   |
| Pneumonia/Influenza.....                   | 67              | 10.4                | 13.4 | 7.5   | 17.9    | 18.3 | 7.6   | 19.4     | 21.7 | 7.0   |
| Chronic Obstructive Pulmonary Disease..... | 37              | 13.5                | 6.7  | ----- | 16.2    | 11.9 | ----- | 18.9     | 16.3 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 1.5  | ----- | 0.0     | 3.6  | ----- | 0.0      | 6.0  | ----- |
| Stroke.....                                | 82              | 22.0                | 18.7 | 5.3   | 30.5    | 25.1 | 5.7   | 39.0     | 28.9 | 7.1   |
| Hip Fracture.....                          | 56              | 3.6                 | 6.1  | 3.8   | 8.9     | 11.1 | 5.2   | 10.7     | 14.6 | 7.2   |
| Sepsis.....                                | 11              | 18.2                | 18.1 | ----- | 27.3    | 23.2 | ----- | 27.3     | 27.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 19              | 0.0                 | 2.5  | ----- | 10.5    | 5.2  | ----- | 10.5     | 7.4  | ----- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 11.1     | 3.5  | ----- |
| Hip Replacement/Reconstruction.....        | 49              | 2.0                 | 2.2  | ----- | 6.1     | 4.3  | ----- | 6.1      | 5.9  | ----- |
| Open Reduction of Hip Fracture.....        | 21              | 4.8                 | 6.7  | ----- | 9.5     | 12.5 | ----- | 9.5      | 16.7 | ----- |
| Prostatectomy.....                         | 52              | 0.0                 | 0.9  | 2.4   | 5.8     | 2.2  | 2.6   | 7.7      | 3.9  | 3.8   |
| Cholecystectomy.....                       | 39              | 2.6                 | 2.7  | ----- | 2.6     | 4.6  | ----- | 5.1      | 5.9  | ----- |
| Hysterectomy.....                          | 25              | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# BALLARD COMMUNITY HOSPITAL

Medicare Provider Number: 500078

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.7 years |
| Proportion female.....        | 59.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 49.8 % |
| Transferred from skilled nursing facility..... | 0.1 %  |
| Admitted for elective procedure.....           | 49.5 % |
| Admitted for emergency.....                    | 27.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.3 %  |
| Chronic cardiovascular disease..... | 27.7 % |
| Chronic liver disease.....          | 2.0 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 13.6 % |
| Cerebrovascular degeneration.....   | 6.1 %  |
| Diabetes mellitus.....              | 4.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 92.8%  |
| State .....         | 5.3%   |
| Outside State ..... | 1.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.4 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 147                 |
| Occupancy Rate .....       | 61.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 48.4 %              |
| Case Mix Index (CMI) ..... | 1.2905              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 169    |
| Percent of Physicians Board<br>Certified Specialists ..... | 82.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 167    |
| Licensed Practical Nurses .....                            | 15     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates



# CAPITAL MEDICAL CENTER

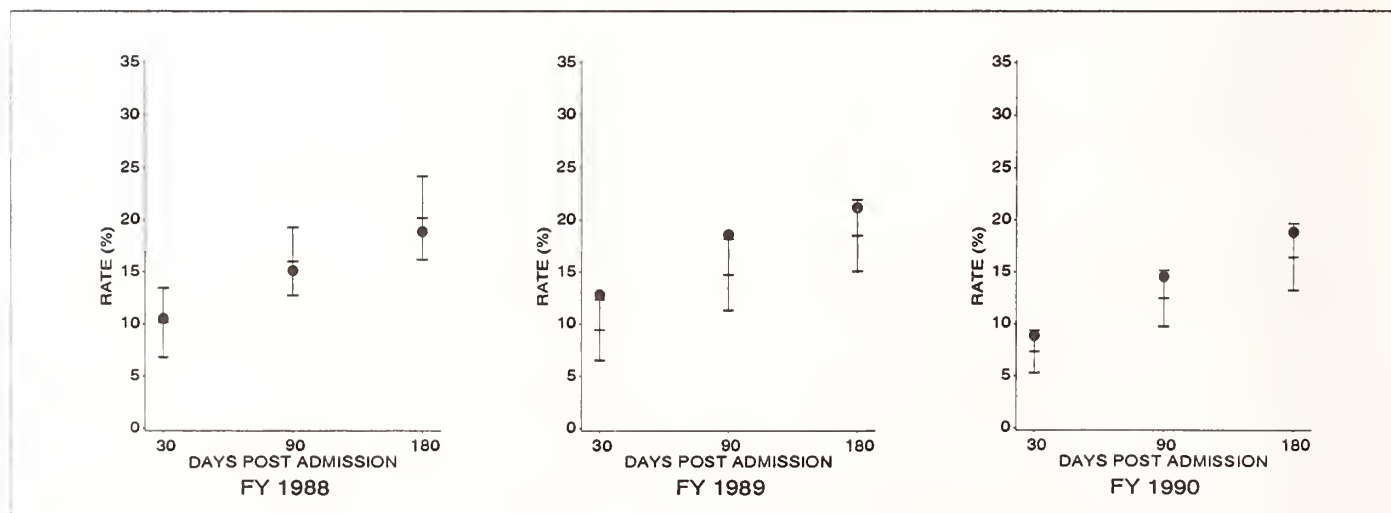
3900 CAPITAL MALL DR SW  
OLYMPIA, WA 98502  
Medicare Provider Number: 500139

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1002            | 8.8                 | 7.3  | 1.0   | 14.5    | 12.4 | 1.4   | 18.8     | 16.4 | 1.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 25              | 16.0                | 16.2 | ----- | 16.0    | 19.6 | ----- | 16.0     | 22.4 | ----- |
| Congestive Heart Failure.....              | 25              | 16.0                | 12.6 | ----- | 28.0    | 20.8 | ----- | 40.0     | 27.3 | ----- |
| Pneumonia/Influenza.....                   | 30              | 6.7                 | 15.0 | ----- | 16.7    | 21.2 | ----- | 16.7     | 25.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 19              | 10.5                | 9.6  | ----- | 21.1    | 17.2 | ----- | 21.1     | 22.5 | ----- |
| Transient Cerebral Ischemia.....           | 11              | 0.0                 | 1.2  | ----- | 0.0     | 2.8  | ----- | 0.0      | 5.0  | ----- |
| Stroke.....                                | 38              | 13.2                | 15.7 | ----- | 28.9    | 22.3 | ----- | 31.6     | 26.8 | ----- |
| Hip Fracture.....                          | 30              | 0.0                 | 6.4  | ----- | 10.0    | 12.3 | ----- | 23.3     | 16.7 | ----- |
| Sepsis.....                                | 5               | 20.0                | 18.1 | ----- | 20.0    | 27.4 | ----- | 40.0     | 32.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 10              | 0.0                 | 1.7  | ----- | 10.0    | 3.7  | ----- | 10.0     | 6.0  | ----- |
| Carotid Endarterectomy.....                | 17              | 5.9                 | 2.0  | ----- | 5.9     | 4.0  | ----- | 5.9      | 5.8  | ----- |
| Hip Replacement/Reconstruction.....        | 20              | 0.0                 | 2.6  | ----- | 0.0     | 5.1  | ----- | 5.0      | 7.3  | ----- |
| Open Reduction of Hip Fracture.....        | 13              | 0.0                 | 5.2  | ----- | 15.4    | 10.3 | ----- | 30.8     | 14.5 | ----- |
| Prostatectomy.....                         | 62              | 0.0                 | 0.7  | 1.2   | 0.0     | 1.5  | 2.5   | 1.6      | 2.7  | 2.8   |
| Cholecystectomy.....                       | 17              | 5.9                 | 1.6  | ----- | 5.9     | 3.0  | ----- | 5.9      | 4.1  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.5  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CAPITAL MEDICAL CENTER

Medicare Provider Number: 500139

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years  
Proportion female..... 51.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 73.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 63.7 %  
Admitted for emergency..... 16.4 %

### COMORBIDITIES:

Cancer..... 13.8 %  
Chronic cardiovascular disease..... 35.0 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 15.6 %  
Cerebrovascular degeneration..... 3.9 %  
Diabetes mellitus..... 7.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 58.3%  
State ..... 38.4%  
Outside State ..... 3.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 110  
Occupancy Rate ..... 35.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 52.4 %  
Case Mix Index (CMI) ..... 1.3118

### STAFFING:

Total Number of Physicians..... 67  
Percent of Physicians Board  
Certified Specialists..... 79.1 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 97  
Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CAREUNIT HOSPITAL OF KIRKLAND

10322 NE 132ND ST, BOX 480  
KIRKLAND, WA 98033  
Medicare Provider Number: 500137

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 34                 | 0.0                 | 0.9  | ----- | 2.9     | 2.3  | ----- | 2.9      | 3.9  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# CAREUNIT HOSPITAL OF KIRKLAND

Medicare Provider Number: 500137

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 64.0 years  
Proportion female..... 32.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 2.9 %  
Chronic cardiovascular disease..... 8.8 %  
Chronic liver disease..... 8.8 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 14.7 %  
Cerebrovascular degeneration..... 5.9 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 66.2%  
State..... 30.6%  
Outside State..... 3.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 16.2 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 83  
Occupancy Rate..... 32.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 0.8214

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CASCADE GENERAL HOSPITAL

817 COMMERCIAL ST, BOX 330  
LEAVENWORTH, WA 98826  
Medicare Provider Number: 500123

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 56                 | 19.6                | 10.7 | 7.7   | 23.2    | 16.0 | 9.2   | 26.8     | 19.9 | 9.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 100.0               | 27.2 | ----- | 100.0   | 30.8 | ----- | 100.0    | 33.4 | ----- |
| Congestive Heart Failure.....              | 2                  | 0.0                 | 15.9 | ----- | 0.0     | 24.2 | ----- | 0.0      | 30.7 | ----- |
| Pneumonia/Influenza.....                   | 7                  | 14.3                | 15.3 | ----- | 14.3    | 20.6 | ----- | 28.6     | 25.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 12.5 | ----- | 50.0    | 18.7 | ----- | 50.0     | 23.7 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.1  | ----- | 0.0     | 2.6  | ----- | 0.0      | 4.7  | ----- |
| Stroke.....                                | 3                  | 33.3                | 16.3 | ----- | 33.3    | 21.7 | ----- | 33.3     | 24.6 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# CASCADE GENERAL HOSPITAL

Medicare Provider Number: 500123

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 79.8 years  
Proportion female..... 60.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 51.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 5.4 %

### COMORBIDITIES:

Cancer..... 1.8 %  
Chronic cardiovascular disease..... 44.6 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.8 %  
Chronic pulmonary disease..... 21.4 %  
Cerebrovascular degeneration..... 5.4 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 83.2%  
State..... 13.1%  
Outside State..... 3.7%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.3 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 33  
Occupancy Rate..... 27.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... (Not Available)  
Case Mix Index (CMI)..... 1.0284

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# CASCADE VALLEY HOSPITAL

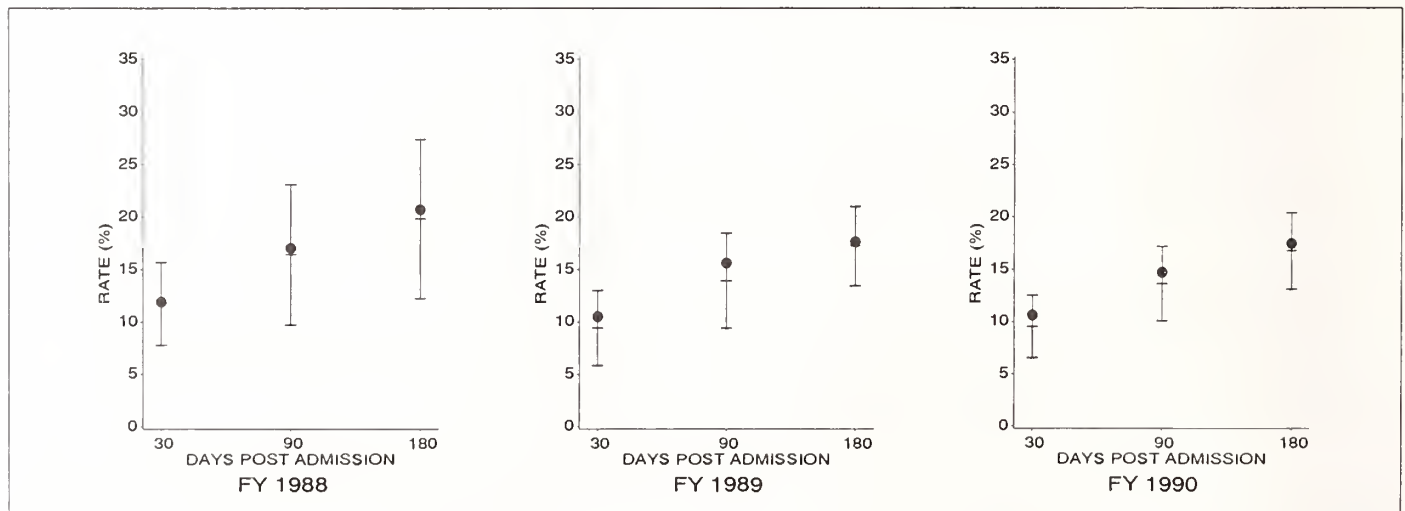
330 S STILLAGUAMISH  
ARLINGTON, WA 98223  
Medicare Provider Number: 500060

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 436                | 10.6                | 9.5  | 1.5   | 14.7    | 13.6 | 1.8   | 17.4     | 16.7 | 1.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 31                 | 29.0                | 28.9 | ----- | 29.0    | 31.8 | ----- | 38.7     | 34.6 | ----- |
| Congestive Heart Failure.....              | 19                 | 36.8                | 14.4 | ----- | 42.1    | 23.3 | ----- | 42.1     | 29.4 | ----- |
| Pneumonia/Influenza.....                   | 23                 | 17.4                | 14.3 | ----- | 17.4    | 19.5 | ----- | 21.7     | 22.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 11.2 | ----- | 0.0     | 19.2 | ----- | 25.0     | 24.6 | ----- |
| Transient Cerebral Ischemia.....           | 5                  | 0.0                 | 1.6  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.6  | ----- |
| Stroke.....                                | 20                 | 15.0                | 21.0 | ----- | 30.0    | 28.0 | ----- | 35.0     | 32.0 | ----- |
| Hip Fracture.....                          | 18                 | 16.7                | 5.3  | ----- | 27.8    | 10.0 | ----- | 27.8     | 13.5 | ----- |
| Sepsis.....                                | 2                  | 0.0                 | 27.7 | ----- | 0.0     | 34.8 | ----- | 0.0      | 40.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 5.6  | ----- | 0.0     | 9.1  | ----- | 0.0      | 13.0 | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 15                 | 6.7                 | 3.4  | ----- | 13.3    | 6.5  | ----- | 13.3     | 8.8  | ----- |
| Open Reduction of Hip Fracture.....        | 7                  | 28.6                | 4.2  | ----- | 42.9    | 8.5  | ----- | 42.9     | 11.8 | ----- |
| Prostatectomy.....                         | 38                 | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.5  | ----- |
| Cholecystectomy.....                       | 9                  | 0.0                 | 3.6  | ----- | 0.0     | 7.0  | ----- | 11.1     | 9.4  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CASCADE VALLEY HOSPITAL

Medicare Provider Number: 500060

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.4 years |
| Proportion female.....        | 49.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 47.7 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 18.1 % |
| Admitted for emergency.....                    | 49.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.5 %  |
| Chronic cardiovascular disease..... | 27.3 % |
| Chronic liver disease.....          | 1.4 %  |
| Chronic renal disease.....          | 4.4 %  |
| Chronic pulmonary disease.....      | 13.5 % |
| Cerebrovascular degeneration.....   | 6.2 %  |
| Diabetes mellitus.....              | 4.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 92.8%  |
| State .....         | 4.7%   |
| Outside State ..... | 2.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 48                 |
| Occupancy Rate .....       | 37.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 34.7 %             |
| Case Mix Index (CMI) ..... | 1.1771             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 17     |
| Percent of Physicians Board<br>Certified Specialists ..... | 82.4 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 59     |
| Licensed Practical Nurses .....                            | 4      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# CENTRAL WASHINGTON HEALTH SERVICES

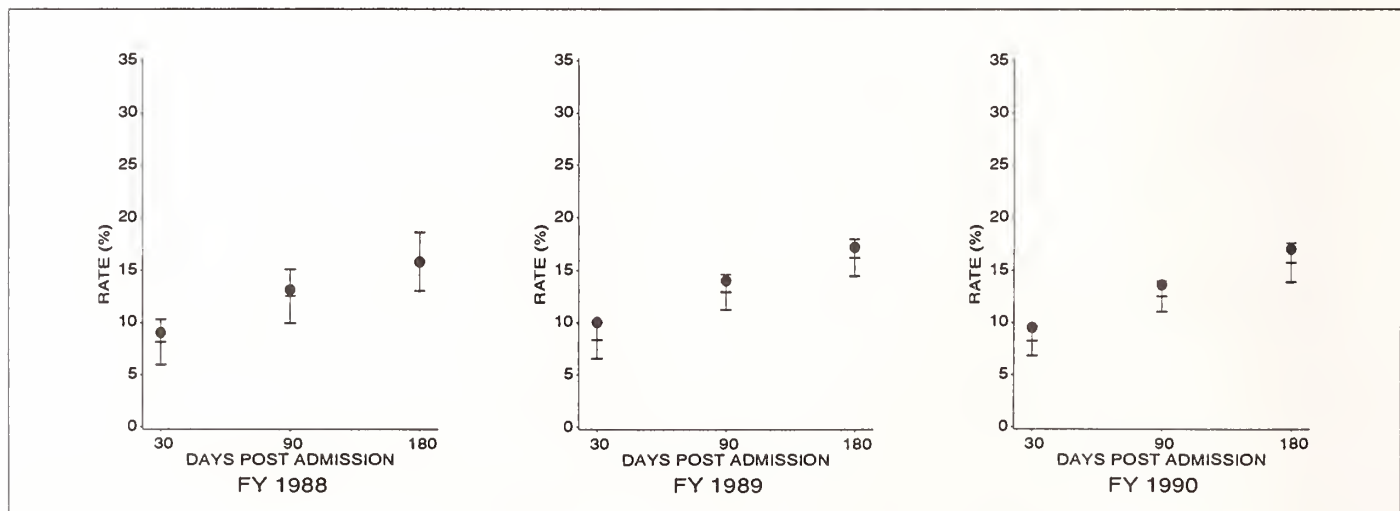
1211 ROSEWOOD AVENUE  
WENATCHEE, WA 98801  
Medicare Provider Number: 500016

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2243               | 9.5                 | 8.2  | 0.7   | 13.6    | 12.5 | 0.7   | 17.0     | 15.7 | 0.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 88                 | 20.5                | 20.1 | 4.5   | 22.7    | 23.6 | 4.7   | 27.3     | 26.5 | 4.8   |
| Congestive Heart Failure.....              | 76                 | 17.1                | 15.3 | 4.3   | 23.7    | 24.2 | 5.7   | 31.6     | 30.6 | 7.6   |
| Pneumonia/Influenza.....                   | 100                | 18.0                | 17.7 | 4.0   | 20.0    | 23.9 | 5.5   | 25.0     | 28.1 | 6.2   |
| Chronic Obstructive Pulmonary Disease..... | 30                 | 13.3                | 8.1  | ----- | 26.7    | 14.3 | ----- | 26.7     | 18.6 | ----- |
| Transient Cerebral Ischemia.....           | 25                 | 8.0                 | 3.0  | ----- | 12.0    | 6.5  | ----- | 12.0     | 9.9  | ----- |
| Stroke.....                                | 77                 | 31.2                | 16.6 | 6.5   | 40.3    | 23.9 | 7.8   | 45.5     | 27.9 | 7.9   |
| Hip Fracture.....                          | 68                 | 13.2                | 7.0  | 4.9   | 17.6    | 12.4 | 5.7   | 23.5     | 15.8 | 6.0   |
| Sepsis.....                                | 8                  | 0.0                 | 27.1 | ----- | 0.0     | 34.3 | ----- | 0.0      | 39.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 23                 | 4.3                 | 2.2  | ----- | 4.3     | 4.5  | ----- | 4.3      | 6.8  | ----- |
| Carotid Endarterectomy.....                | 21                 | 0.0                 | 1.4  | ----- | 0.0     | 2.7  | ----- | 0.0      | 4.1  | ----- |
| Hip Replacement/Reconstruction.....        | 82                 | 3.7                 | 2.0  | 3.5   | 6.1     | 3.6  | 3.8   | 6.1      | 4.9  | 3.5   |
| Open Reduction of Hip Fracture.....        | 41                 | 12.2                | 6.5  | ----- | 12.2    | 11.9 | ----- | 19.5     | 15.6 | ----- |
| Prostatectomy.....                         | 137                | 1.5                 | 0.6  | 1.3   | 2.2     | 1.5  | 2.0   | 5.1      | 2.6  | 2.6   |
| Cholecystectomy.....                       | 58                 | 3.4                 | 2.1  | 2.5   | 5.2     | 4.0  | 3.1   | 5.2      | 5.6  | 3.2   |
| Hysterectomy.....                          | 23                 | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# CENTRAL WASHINGTON HEALTH SERVICES

Medicare Provider Number: 500016

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.6 years |
| Proportion female.....        | 50.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 51.9 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 32.6 % |
| Admitted for emergency.....                    | 47.0 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.7 %  |
| Chronic cardiovascular disease..... | 26.7 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 1.9 %  |
| Chronic pulmonary disease.....      | 18.0 % |
| Cerebrovascular degeneration.....   | 4.1 %  |
| Diabetes mellitus.....              | 6.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 55.6%  |
| State .....         | 43.0%  |
| Outside State ..... | 1.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.4 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 141                 |
| Ownership/Control.....     | Private, Non-Profit |
| Case Mix Index (CMI) ..... | 1.3221              |

### STAFFING:

|                                 |     |
|---------------------------------|-----|
| Medical Residents/Interns ..... | 0   |
| Registered Nurses.....          | 100 |
| Licensed Practical Nurses ..... | 12  |

### SPECIALTY SERVICES:

|                           |     |
|---------------------------|-----|
| Burn Unit .....           | No  |
| Coronary Care Unit .....  | Yes |
| Hospice Care .....        | Yes |
| Intensive Care Unit ..... | Yes |
| Organ Transplant .....    | No  |
| Trauma Center .....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates



# COLUMBIA BASIN HOSPITAL

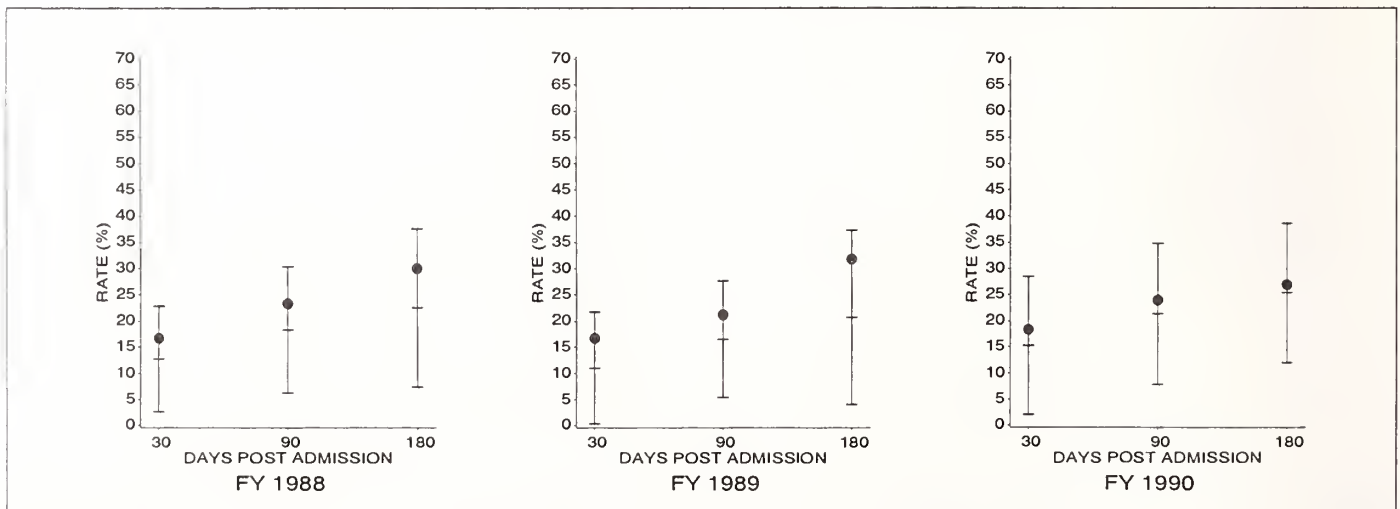
SOUTHEAST BLVD  
EPHRATA, WA 98823  
Medicare Provider Number: 500029

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 71                 | 18.3                | 15.2 | 6.6   | 23.9    | 21.3 | 6.8   | 26.8     | 25.3 | 6.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3                  | 33.3                | 17.5 | ----- | 33.3    | 21.0 | ----- | 33.3     | 24.2 | ----- |
| Congestive Heart Failure.....              | 10                 | 50.0                | 15.6 | ----- | 50.0    | 24.8 | ----- | 50.0     | 31.7 | ----- |
| Pneumonia/Influenza.....                   | 7                  | 14.3                | 12.3 | ----- | 28.6    | 16.7 | ----- | 28.6     | 20.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 3.4  | ----- | 0.0     | 6.7  | ----- | 0.0      | 9.3  | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 12                 | 8.3                 | 21.0 | ----- | 16.7    | 28.0 | ----- | 25.0     | 32.5 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 5.4  | ----- | 0.0     | 7.3  | ----- | 0.0      | 9.6  | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COLUMBIA BASIN HOSPITAL

Medicare Provider Number: 500029

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 78.1 years |
| Proportion female.....        | 56.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 26.8 % |
| Transferred from skilled nursing facility..... | 2.8 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 33.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.2 %  |
| Chronic cardiovascular disease..... | 25.4 % |
| Chronic liver disease.....          | 2.8 %  |
| Chronic renal disease.....          | 7.0 %  |
| Chronic pulmonary disease.....      | 15.5 % |
| Cerebrovascular degeneration.....   | 1.4 %  |
| Diabetes mellitus.....              | 4.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 87.5%  |
| State .....         | 11.5%  |
| Outside State ..... | 1.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 3.3 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 58                 |
| Occupancy Rate .....       | 70.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 49.5 %             |
| Case Mix Index (CMI) ..... | 0.9239             |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 0               |
| Registered Nurses.....                                     | 4               |
| Licensed Practical Nurses.....                             | 5               |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# COMMUNITY MEMORIAL HOSPITAL

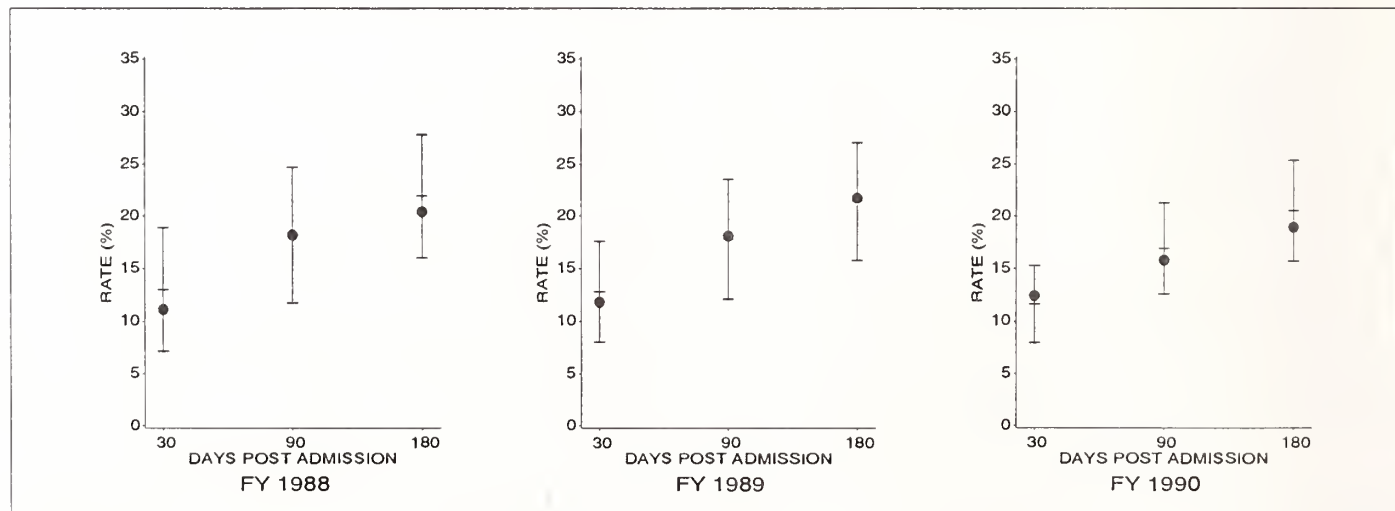
2125 C ST  
ENUMCLAW, WA 98022  
Medicare Provider Number: 500104

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 322                | 12.4                | 11.6 | 1.8  | 15.8    | 16.9 | 2.2  | 18.9     | 20.5 | 2.4  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 21                 | 19.0                | 26.3 | ---- | 19.0    | 29.6 | ---- | 19.0     | 32.7 | ---- |
| Congestive Heart Failure.....              | 15                 | 13.3                | 13.4 | ---- | 20.0    | 21.2 | ---- | 33.3     | 27.1 | ---- |
| Pneumonia/Influenza.....                   | 33                 | 18.2                | 16.0 | ---- | 21.2    | 22.0 | ---- | 24.2     | 26.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2                  | 0.0                 | 10.1 | ---- | 0.0     | 17.6 | ---- | 0.0      | 23.4 | ---- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 1.1  | ---- | 0.0     | 2.7  | ---- | 0.0      | 4.6  | ---- |
| Stroke.....                                | 13                 | 23.1                | 20.8 | ---- | 23.1    | 26.8 | ---- | 23.1     | 30.4 | ---- |
| Hip Fracture.....                          | 16                 | 6.3                 | 7.2  | ---- | 6.3     | 12.7 | ---- | 6.3      | 16.5 | ---- |
| Sepsis.....                                | 5                  | 20.0                | 13.2 | ---- | 40.0    | 19.5 | ---- | 40.0     | 23.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 5.1  | ---- | 0.0     | 10.0 | ---- | 0.0      | 13.6 | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 4.5  | ---- | 0.0     | 8.5  | ---- | 0.0      | 11.6 | ---- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 7.8  | ---- | 0.0     | 13.8 | ---- | 0.0      | 18.3 | ---- |
| Prostatectomy.....                         | 21                 | 0.0                 | 0.9  | ---- | 0.0     | 2.1  | ---- | 0.0      | 3.6  | ---- |
| Cholecystectomy.....                       | 6                  | 0.0                 | 1.4  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.1  | ---- |
| Hysterectomy.....                          | 5                  | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# COMMUNITY MEMORIAL HOSPITAL

Medicare Provider Number: 500104

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.7 years |
| Proportion female.....        | 57.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 51.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 45.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.1 %  |
| Chronic cardiovascular disease..... | 34.2 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 3.1 %  |
| Chronic pulmonary disease.....      | 14.9 % |
| Cerebrovascular degeneration.....   | 5.0 %  |
| Diabetes mellitus.....              | 6.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 72.2%  |
| State .....         | 26.1%  |
| Outside State ..... | 1.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.0 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 38                  |
| Occupancy Rate .....       | 28.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | (Not Available)     |
| Case Mix Index (CMI) ..... | 1.2328              |

### STAFFING:

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| Total Number of Physicians.....                           | 25              |
| Percent of Physicians Board<br>Certified Specialists..... | 100.0 %         |
| Medical Residents/Interns .....                           | (Not Available) |
| Registered Nurses.....                                    | (Not Available) |
| Licensed Practical Nurses .....                           | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# COULEE COMMUNITY HOSPITAL

411 FORTUYN RD, BOX H  
GRAND COULEE, WA 99133  
Medicare Provider Number: 500125

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 48                 | 14.6                | 8.7  | ---- | 16.7    | 13.0 | ---- | 20.8     | 16.3 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2                  | 0.0                 | 20.8 | ---- | 0.0     | 23.5 | ---- | 0.0      | 26.6 | ---- |
| Congestive Heart Failure.....              | 2                  | 0.0                 | 12.6 | ---- | 0.0     | 17.1 | ---- | 0.0      | 21.1 | ---- |
| Pneumonia/Influenza.....                   | 3                  | 66.7                | 19.7 | ---- | 66.7    | 25.2 | ---- | 66.7     | 29.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 25.0                | 5.2  | ---- | 25.0    | 10.4 | ---- | 50.0     | 14.4 | ---- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 1                  | 0.0                 | 13.3 | ---- | 0.0     | 16.2 | ---- | 0.0      | 19.0 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 1                  | 0.0                 | 22.2 | ---- | 0.0     | 25.5 | ---- | 0.0      | 28.5 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.2  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.4  | ---- |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# COULEE COMMUNITY HOSPITAL

Medicare Provider Number: 500125

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.9 years |
| Proportion female.....        | 64.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 37.5 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 58.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 2.1 %  |
| Chronic cardiovascular disease..... | 18.8 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 2.1 %  |
| Chronic pulmonary disease.....      | 12.5 % |
| Cerebrovascular degeneration.....   | 2.1 %  |
| Diabetes mellitus.....              | 6.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 65.2%  |
| State .....         | 34.8%  |
| Outside State ..... | 0.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 3.3 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 48                  |
| Occupancy Rate .....       | 57.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | (Not Available)     |
| Case Mix Index (CMI) ..... | 0.9310              |

### STAFFING:

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Number of Physicians.....                            | 2       |
| Percent of Physicians Board<br>Certified Specialists ..... | 100.0 % |
| Medical Residents/Interns .....                            | 0       |
| Registered Nurses.....                                     | 5       |
| Licensed Practical Nurses.....                             | 6       |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# DAYTON GENERAL HOSPITAL

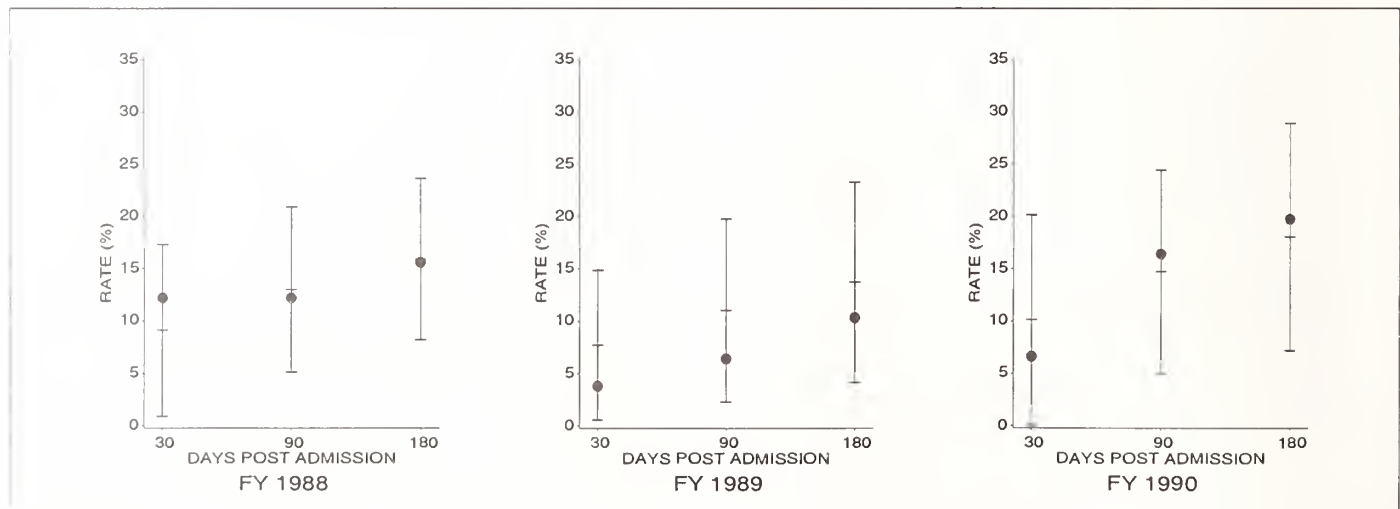
1012 S THIRD ST  
DAYTON, WA 99328  
Medicare Provider Number: 500094

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 61                 | 6.6                 | 10.1 | 5.0   | 16.4    | 14.7 | 4.9   | 19.7     | 18.0 | 5.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 2                  | 0.0                 | 18.6 | ----- | 0.0     | 21.7 | ----- | 0.0      | 25.2 | ----- |
| Congestive Heart Failure.....              | 1                  | 0.0                 | 16.3 | ----- | 0.0     | 23.6 | ----- | 0.0      | 29.3 | ----- |
| Pneumonia/Influenza.....                   | 9                  | 11.1                | 12.8 | ----- | 22.2    | 17.2 | ----- | 33.3     | 20.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 2.8  | ----- | 0.0     | 5.4  | ----- | 0.0      | 7.8  | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 4.9  | ----- | 0.0     | 9.8  | ----- | 0.0      | 13.9 | ----- |
| Stroke.....                                | 2                  | 0.0                 | 20.2 | ----- | 0.0     | 23.9 | ----- | 0.0      | 27.4 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 100.0               | 55.1 | ----- | 100.0   | 59.0 | ----- | 100.0    | 63.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DAYTON GENERAL HOSPITAL

Medicare Provider Number: 500094

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.9 years  
Proportion female..... 62.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 14.8 %  
Admitted for emergency..... 67.2 %

### COMORBIDITIES:

Cancer..... 6.6 %  
Chronic cardiovascular disease..... 41.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 14.8 %  
Cerebrovascular degeneration..... 4.9 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 69.6%  
State ..... 26.1%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.4 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 94  
Occupancy Rate ..... 69.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.9380

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# DEACONESS MEDICAL CENTER

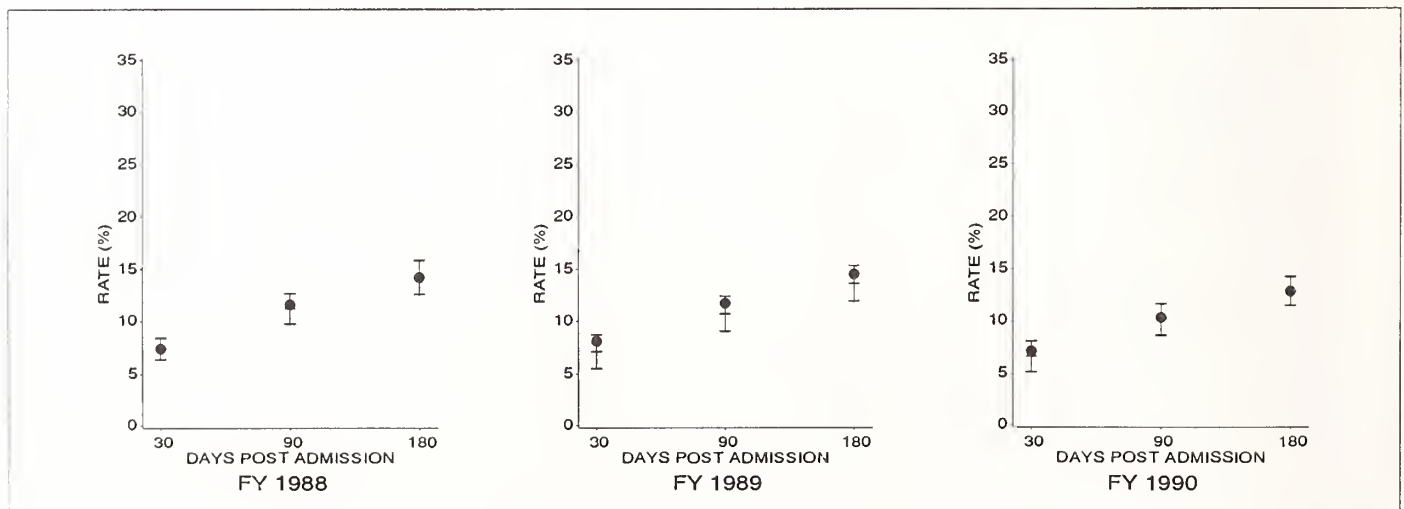
W 800 FIFTH AVENUE  
SPOKANE, WA 99210  
Medicare Provider Number: 500044

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2828               | 7.1                 | 6.6  | 0.7  | 10.3    | 10.1 | 0.8  | 12.8     | 12.8 | 0.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 144                | 19.4                | 20.4 | 3.5  | 22.2    | 22.9 | 3.6  | 25.0     | 25.3 | 3.8  |
| Congestive Heart Failure.....              | 102                | 14.7                | 13.2 | 4.4  | 21.6    | 21.1 | 4.1  | 26.5     | 27.2 | 4.6  |
| Pneumonia/Influenza.....                   | 103                | 13.6                | 14.1 | 3.6  | 19.4    | 19.7 | 4.9  | 28.2     | 23.5 | 6.3  |
| Chronic Obstructive Pulmonary Disease..... | 45                 | 6.7                 | 7.8  | ---- | 20.0    | 13.3 | ---- | 20.0     | 17.3 | ---- |
| Transient Cerebral Ischemia.....           | 13                 | 15.4                | 1.9  | ---- | 15.4    | 4.6  | ---- | 15.4     | 7.6  | ---- |
| Stroke.....                                | 79                 | 11.4                | 16.9 | 6.8  | 19.0    | 23.2 | 8.3  | 24.1     | 27.1 | 8.3  |
| Hip Fracture.....                          | 68                 | 2.9                 | 5.5  | 3.2  | 10.3    | 9.9  | 5.1  | 11.8     | 13.1 | 4.2  |
| Sepsis.....                                | 14                 | 35.7                | 16.6 | ---- | 42.9    | 21.4 | ---- | 42.9     | 25.3 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 163                | 1.8                 | 2.3  | 1.3  | 1.8     | 3.0  | 1.6  | 1.8      | 3.8  | 2.0  |
| Coronary Artery Bypass Graft.....          | 251                | 5.2                 | 4.6  | 2.1  | 9.6     | 6.5  | 2.7  | 10.0     | 7.4  | 2.8  |
| Initial Pacemaker Insertion.....           | 48                 | 0.0                 | 1.9  | ---- | 0.0     | 3.9  | ---- | 2.1      | 6.1  | ---- |
| Carotid Endarterectomy.....                | 30                 | 0.0                 | 1.3  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.6  | ---- |
| Hip Replacement/Reconstruction.....        | 72                 | 1.4                 | 2.7  | 2.2  | 5.6     | 5.1  | 2.6  | 6.9      | 7.0  | 4.2  |
| Open Reduction of Hip Fracture.....        | 11                 | 0.0                 | 5.1  | ---- | 9.1     | 9.0  | ---- | 9.1      | 11.8 | ---- |
| Prostatectomy.....                         | 147                | 0.0                 | 0.6  | 0.9  | 0.7     | 1.4  | 1.6  | 3.4      | 2.6  | 1.8  |
| Cholecystectomy.....                       | 44                 | 2.3                 | 1.7  | ---- | 2.3     | 3.0  | ---- | 2.3      | 4.1  | ---- |
| Hysterectomy.....                          | 36                 | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DEACONESS MEDICAL CENTER

Medicare Provider Number: 500044

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 73.0 years |
| Proportion female.....        | 48.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 52.3 % |
| Transferred from skilled nursing facility..... | 0.9 %  |
| Admitted for elective procedure.....           | 54.8 % |
| Admitted for emergency.....                    | 5.4 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.8 %  |
| Chronic cardiovascular disease..... | 45.3 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 1.8 %  |
| Chronic pulmonary disease.....      | 13.2 % |
| Cerebrovascular degeneration.....   | 2.1 %  |
| Diabetes mellitus.....              | 7.0 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 55.4%  |
| State .....         | 28.2%  |
| Outside State ..... | 16.4%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.3 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 326                 |
| Occupancy Rate .....       | 63.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 35.9 %              |
| Case Mix Index (CMI) ..... | 1.9311              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 550    |
| Percent of Physicians Board<br>Certified Specialists ..... | 86.2 % |
| Medical Residents/Interns .....                            | 8      |
| Registered Nurses.....                                     | 354    |
| Licensed Practical Nurses .....                            | 71     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates



# DEER PARK HEALTH CENTER HOSPITAL

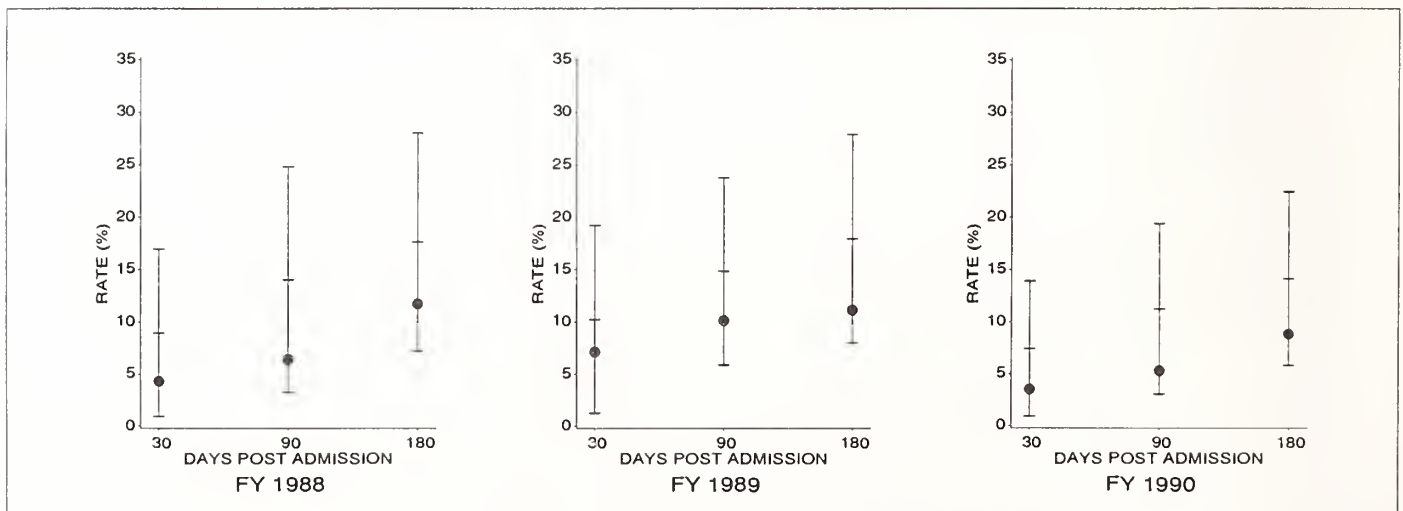
FOREST AND D STREETS  
DEER PARK, WA 99006  
Medicare Provider Number: 500132

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 113                | 3.5                 | 7.4  | 3.3   | 5.3     | 11.2 | 4.1   | 8.8      | 14.1 | 4.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 5                  | 0.0                 | 14.3 | ----- | 0.0     | 21.9 | ----- | 0.0      | 28.6 | ----- |
| Pneumonia/Influenza.....                   | 18                 | 0.0                 | 12.5 | ----- | 5.6     | 17.3 | ----- | 16.7     | 20.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 5.9  | ----- | 0.0     | 9.6  | ----- | 0.0      | 12.5 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 3                  | 33.3                | 22.9 | ----- | 33.3    | 30.0 | ----- | 33.3     | 34.1 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 2                  | 0.0                 | 19.1 | ----- | 0.0     | 22.8 | ----- | 0.0      | 26.0 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# DEER PARK HEALTH CENTER HOSPITAL

Medicare Provider Number: 500132

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.8 years  
Proportion female..... 62.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 76.1 %  
Transferred from skilled nursing facility..... 0.9 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 2.7 %

### COMORBIDITIES:

Cancer..... 2.7 %  
Chronic cardiovascular disease..... 46.9 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 0.9 %  
Chronic pulmonary disease..... 14.2 %  
Cerebrovascular degeneration..... 0.9 %  
Diabetes mellitus..... 4.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.3%  
State ..... 10.7%  
Outside State ..... 2.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.0 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 26  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI) ..... 0.8520

### STAFFING:

Medical Residents/Interns ..... 1  
Registered Nurses..... 8  
Licensed Practical Nurses..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# EAST ADAMS RURAL HOSPITAL

903 SOUTH ADAMS  
RITZVILLE, WA 99169  
Medicare Provider Number: 500101

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 42                 | 4.8                 | 10.8 | ---- | 9.5     | 15.1 | ---- | 9.5      | 18.2 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 2                  | 50.0                | 35.5 | ---- | 50.0    | 37.4 | ---- | 50.0     | 39.5 | ---- |
| Congestive Heart Failure.....              | 1                  | 0.0                 | 20.6 | ---- | 0.0     | 32.3 | ---- | 0.0      | 43.1 | ---- |
| Pneumonia/Influenza.....                   | 5                  | 0.0                 | 9.4  | ---- | 0.0     | 13.1 | ---- | 0.0      | 15.7 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 1.7  | ---- | 0.0     | 3.4  | ---- | 0.0      | 5.0  | ---- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 2                  | 0.0                 | 12.3 | ---- | 0.0     | 17.5 | ---- | 0.0      | 20.0 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# EAST ADAMS RURAL HOSPITAL

Medicare Provider Number: 500101

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.3 years  
Proportion female..... 64.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 42.9 %

### COMORBIDITIES:

Cancer..... 2.4 %  
Chronic cardiovascular disease..... 40.5 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 11.9 %  
Cerebrovascular degeneration..... 2.4 %  
Diabetes mellitus..... 7.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.7%  
State ..... 15.6%  
Outside State ..... 4.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 2.7 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 20  
Occupancy Rate ..... 5.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.9378

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# EVERGREEN HOSPITAL MEDICAL CENTER

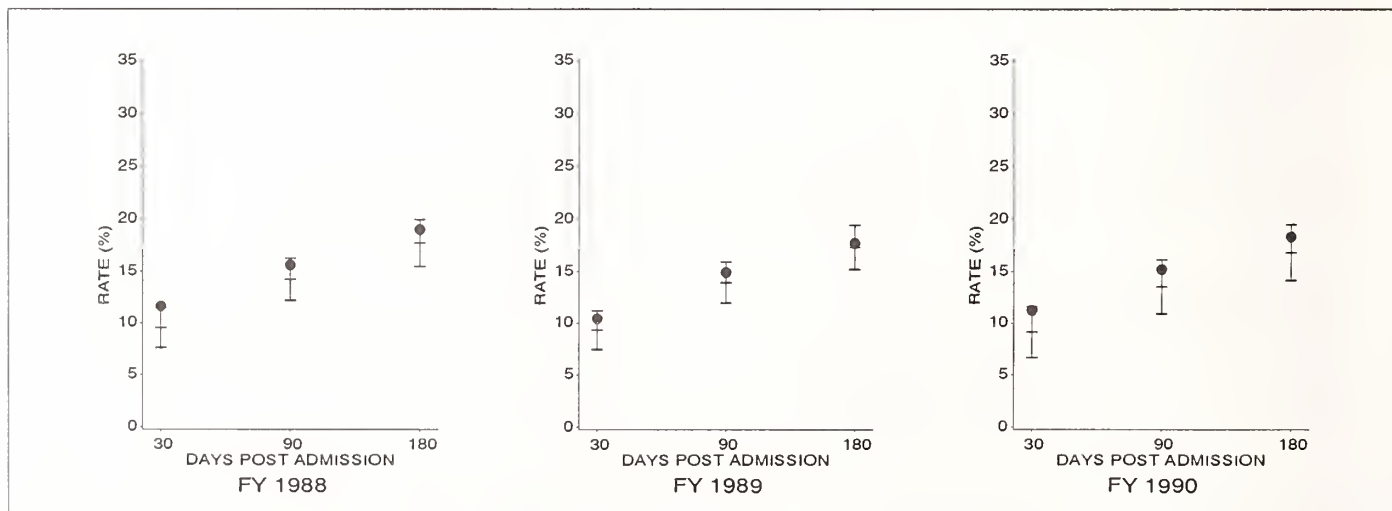
12040 NE 128TH STREET  
KIRKLAND, WA 98033  
Medicare Provider Number: 500124

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1425            | 11.2                | 9.1  | 1.2  | 15.2    | 13.5 | 1.3  | 18.3     | 16.8 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 74              | 18.9                | 24.3 | 5.7  | 20.3    | 27.1 | 6.1  | 24.3     | 29.6 | 6.2  |
| Congestive Heart Failure.....              | 71              | 14.1                | 13.3 | 4.1  | 23.9    | 21.1 | 6.3  | 28.2     | 27.8 | 9.2  |
| Pneumonia/Influenza.....                   | 65              | 18.5                | 15.3 | 5.4  | 27.7    | 21.4 | 6.9  | 33.8     | 25.5 | 8.3  |
| Chronic Obstructive Pulmonary Disease..... | 21              | 4.8                 | 7.1  | ---- | 9.5     | 12.2 | ---- | 14.3     | 16.3 | ---- |
| Transient Cerebral Ischemia.....           | 21              | 9.5                 | 2.0  | ---- | 9.5     | 4.6  | ---- | 14.3     | 7.5  | ---- |
| Stroke.....                                | 59              | 23.7                | 18.8 | 6.4  | 28.8    | 25.2 | 6.2  | 30.5     | 28.8 | 6.0  |
| Hip Fracture.....                          | 40              | 10.0                | 5.9  | ---- | 15.0    | 10.3 | ---- | 17.5     | 13.6 | ---- |
| Sepsis.....                                | 10              | 30.0                | 14.1 | ---- | 30.0    | 16.8 | ---- | 30.0     | 19.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 18              | 22.2                | 9.3  | ---- | 22.2    | 10.6 | ---- | 22.2     | 11.8 | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 1.9  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.2  | ---- |
| Carotid Endarterectomy.....                | 11              | 0.0                 | 1.6  | ---- | 0.0     | 2.9  | ---- | 0.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 42              | 2.4                 | 2.4  | ---- | 4.8     | 4.2  | ---- | 7.1      | 5.9  | ---- |
| Open Reduction of Hip Fracture.....        | 14              | 14.3                | 6.2  | ---- | 21.4    | 11.4 | ---- | 28.6     | 14.9 | ---- |
| Prostatectomy.....                         | 43              | 2.3                 | 0.5  | ---- | 2.3     | 1.2  | ---- | 2.3      | 2.1  | ---- |
| Cholecystectomy.....                       | 29              | 3.4                 | 1.9  | ---- | 3.4     | 3.4  | ---- | 3.4      | 4.4  | ---- |
| Hysterectomy.....                          | 14              | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# EVERGREEN HOSPITAL MEDICAL CENTER

Medicare Provider Number: 500124

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.5 years  
Proportion female..... 57.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.0 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 32.2 %  
Admitted for emergency..... 47.9 %

### COMORBIDITIES:

Cancer..... 7.6 %  
Chronic cardiovascular disease..... 38.6 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 11.5 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 6.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 82.9%  
State..... 12.0%  
Outside State..... 5.1%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 5.7 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 134  
Occupancy Rate..... 70.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 25.0 %  
Case Mix Index (CMI)..... 1.3035

### STAFFING:

Total Number of Physicians..... 247  
Percent of Physicians Board  
Certified Specialists.....(Not Available)  
Medical Residents/Interns..... 0  
Registered Nurses..... 293  
Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# FERRY COUNTY MEMORIAL HOSPITAL

470 N KLONDIKE RD, BOX 365  
REPUBLIC, WA 99166  
Medicare Provider Number: 500098

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 49                 | 4.1                 | 7.4  | ---- | 8.2     | 10.5 | ---- | 12.2     | 13.2 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 0                  |                     |      |      |         |      |      |          |      |      |
| Pneumonia/Influenza.....                   | 12                 | 0.0                 | 11.4 | ---- | 8.3     | 15.1 | ---- | 8.3      | 18.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.7  | ---- | 0.0     | 3.7  | ---- | 0.0      | 6.2  | ---- |
| Stroke.....                                | 2                  | 0.0                 | 28.9 | ---- | 0.0     | 34.9 | ---- | 50.0     | 39.0 | ---- |
| Hip Fracture.....                          | 0                  |                     |      |      |         |      |      |          |      |      |
| Sepsis.....                                | 0                  |                     |      |      |         |      |      |          |      |      |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0                  |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0                  |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0                  |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# FERRY COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 500098

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.6 years  
Proportion female..... 53.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 91.8 %

### COMORBIDITIES:

Cancer..... 2.0 %  
Chronic cardiovascular disease..... 40.8 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 4.1 %  
Chronic pulmonary disease..... 22.4 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 10.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 88.2%  
State ..... 10.3%  
Outside State ..... 1.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 2.7 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 25  
Occupancy Rate ..... 56.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.8968

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses ..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# FIFTH AVENUE MEDICAL CENTER

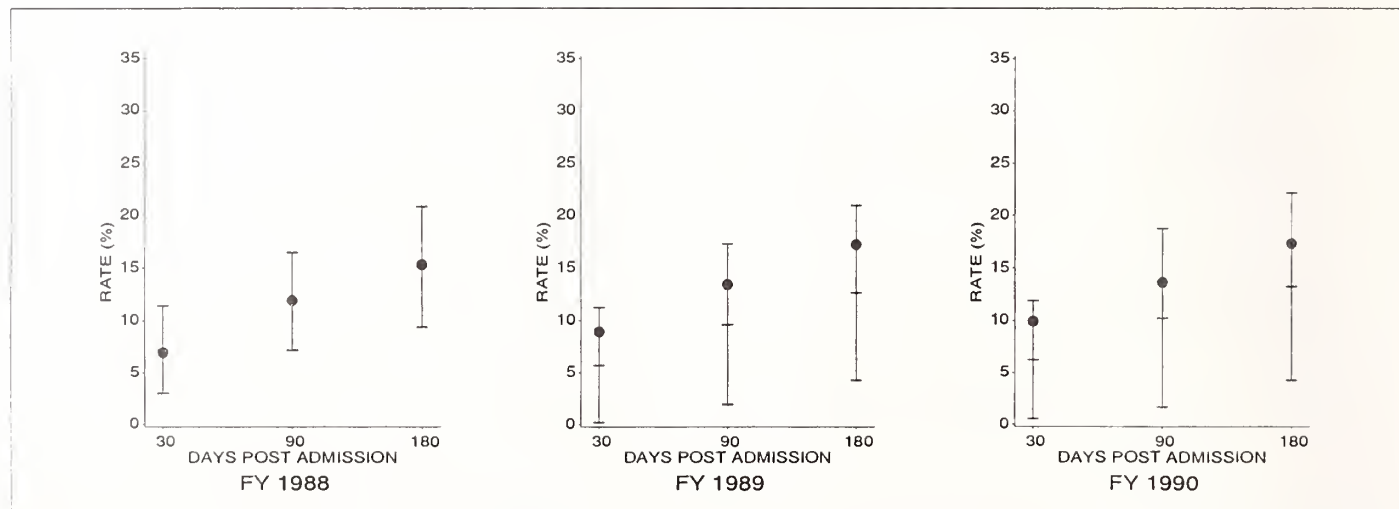
10560 FIFTH AVE NE, BOX 25167  
SEATTLE, WA 98125  
Medicare Provider Number: 500075

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 162             | 9.9                 | 6.2  | 2.8   | 13.6    | 10.2 | 4.3   | 17.3     | 13.2 | 4.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3               | 66.7                | 34.4 | ----- | 66.7    | 46.7 | ----- | 66.7     | 53.5 | ----- |
| Congestive Heart Failure.....              | 7               | 14.3                | 14.0 | ----- | 14.3    | 22.1 | ----- | 28.6     | 27.9 | ----- |
| Pneumonia/Influenza.....                   | 17              | 17.6                | 14.9 | ----- | 29.4    | 21.3 | ----- | 35.3     | 25.3 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1               | 0.0                 | 10.3 | ----- | 0.0     | 15.8 | ----- | 0.0      | 19.1 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 0.7  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.4  | ----- |
| Stroke.....                                | 6               | 33.3                | 14.7 | ----- | 33.3    | 22.2 | ----- | 33.3     | 26.7 | ----- |
| Hip Fracture.....                          | 7               | 0.0                 | 2.2  | ----- | 0.0     | 4.6  | ----- | 0.0      | 6.8  | ----- |
| Sepsis.....                                | 3               | 66.7                | 23.5 | ----- | 66.7    | 36.4 | ----- | 100.0    | 43.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3               | 0.0                 | 1.6  | ----- | 0.0     | 3.6  | ----- | 0.0      | 5.6  | ----- |
| Open Reduction of Hip Fracture.....        | 5               | 0.0                 | 1.9  | ----- | 0.0     | 3.9  | ----- | 0.0      | 5.8  | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 2               | 0.0                 | 0.7  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.4  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FIFTH AVENUE MEDICAL CENTER

Medicare Provider Number: 500075

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 71.6 years |
| Proportion female.....        | 58.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 95.7 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 95.1 % |
| Admitted for emergency.....                    | 0.6 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.3 %  |
| Chronic cardiovascular disease..... | 25.9 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 1.2 %  |
| Chronic pulmonary disease.....      | 9.3 %  |
| Cerebrovascular degeneration.....   | 7.4 %  |
| Diabetes mellitus.....              | 7.4 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 70.3%  |
| State .....         | 27.4%  |
| Outside State ..... | 2.3%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.0 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 40                  |
| Occupancy Rate .....       | 30.0 %              |
| Ownership/Control.....     | Private, For Profit |
| Medicare Discharges .....  | 32.6 %              |
| Case Mix Index (CMI) ..... | 1.2317              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 73     |
| Percent of Physicians Board<br>Certified Specialists ..... | 53.4 % |
| Medical Residents/Interns .....                            | 4      |
| Registered Nurses.....                                     | 31     |
| Licensed Practical Nurses .....                            | 0      |

### SPECIALTY SERVICES:

|                                       |    |
|---------------------------------------|----|
| Burn Unit .....                       | No |
| Cardiac Intensive Care .....          | No |
| Comprehensive Geriatric .....         | No |
| Hospice Care .....                    | No |
| Medical/Surgical Intensive Care ..... | No |
| Organ/Tissue Transplant .....         | No |
| Other Intensive Care .....            | No |
| Trauma Center .....                   | No |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates



# FORKS COMMUNITY HOSPITAL

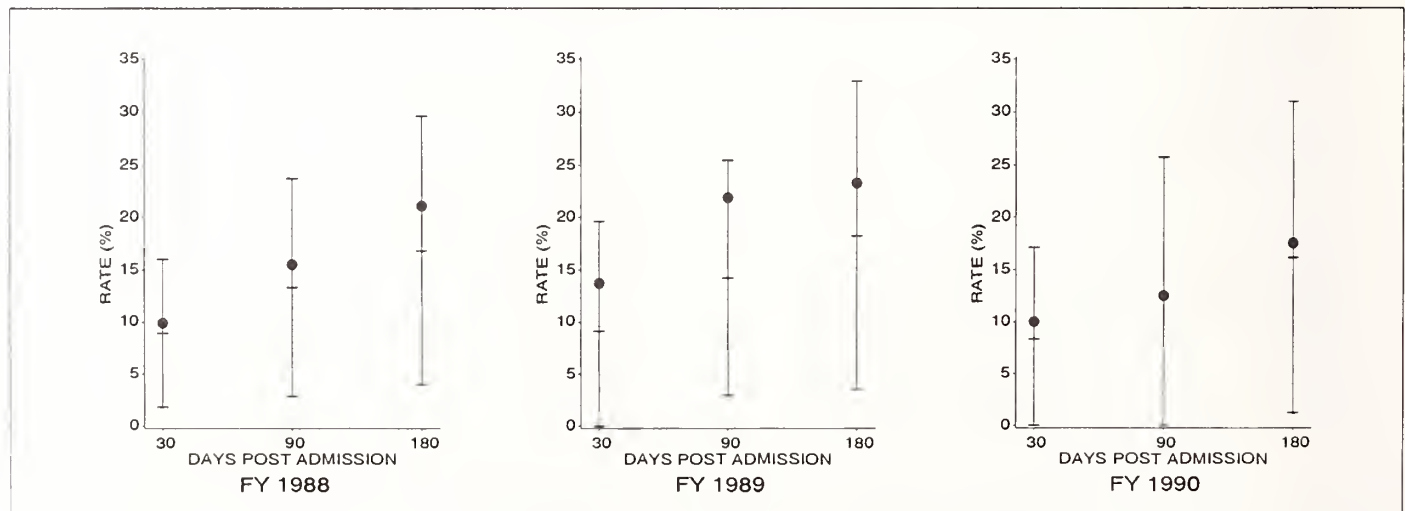
RURAL ROUTE 3, BOX 3575  
FORKS, WA 98331  
Medicare Provider Number: 500062

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 80              | 10.0                | 8.3  | 4.4   | 12.5    | 12.7 | 6.5   | 17.5     | 16.1 | 7.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 25.0                | 17.3 | ----- | 25.0    | 18.6 | ----- | 75.0     | 20.0 | ----- |
| Congestive Heart Failure.....              | 5               | 0.0                 | 12.8 | ----- | 20.0    | 21.9 | ----- | 20.0     | 29.8 | ----- |
| Pneumonia/Influenza.....                   | 8               | 0.0                 | 8.0  | ----- | 0.0     | 11.6 | ----- | 0.0      | 14.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 100.0               | 8.2  | ----- | 100.0   | 14.6 | ----- | 100.0    | 19.2 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 8               | 12.5                | 18.4 | ----- | 12.5    | 22.7 | ----- | 12.5     | 25.5 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 12.8 | ----- | 0.0     | 23.7 | ----- | 0.0      | 29.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1               | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.1  | ----- |
| Hysterectomy.....                          | 0               |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# FORKS COMMUNITY HOSPITAL

Medicare Provider Number: 500062

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| <b>DEMOGRAPHICS:</b>                           |            | <b>COMORBIDITIES:</b>               |        |
| Average age at admission.....                  | 73.8 years | Cancer.....                         | 7.5 %  |
| Proportion female.....                         | 55.0 %     | Chronic cardiovascular disease..... | 41.3 % |
| <b>ADMISSION SOURCES/TYPES:</b>                |            | Chronic liver disease.....          | 1.3 %  |
| Referred by personal or HMO physician.....     | 61.3 %     | Chronic renal disease.....          | 0.0 %  |
| Transferred from skilled nursing facility..... | 0.0 %      | Chronic pulmonary disease.....      | 25.0 % |
| Admitted for elective procedure.....           | 0.0 %      | Cerebrovascular degeneration.....   | 6.3 %  |
| Admitted for emergency.....                    | 36.3 %     | Diabetes mellitus.....              | 15.0 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

|                                              |        |                                         |          |
|----------------------------------------------|--------|-----------------------------------------|----------|
| <b>ORIGIN OF MEDICARE PATIENT ADMISSION:</b> |        | <b>MEDICARE AVERAGE LENGTH OF STAY:</b> |          |
| County/City .....                            | 90.4%  | Hospital .....                          | 4.5 Days |
| State .....                                  | 5.9%   | State .....                             | 6.4 Days |
| Outside State .....                          | 3.7%   | National .....                          | 8.6 Days |
| Total .....                                  | 100.0% |                                         |          |

## HOSPITAL CHARACTERISTICS\*

|                                                                    |                    |                                                 |     |
|--------------------------------------------------------------------|--------------------|-------------------------------------------------|-----|
| <b>SOURCE:</b> AHA Annual Survey of Hospitals** - Survey Year 1990 |                    |                                                 |     |
| <b>PROFILE:</b>                                                    |                    | <b>SPECIALTY SERVICES:</b>                      |     |
| Total Beds .....                                                   | 37                 | Burn Unit .....                                 | No  |
| Occupancy Rate .....                                               | 67.0 %             | Cardiac Intensive Care .....                    | No  |
| Ownership/Control.....                                             | District/Authority | Comprehensive Geriatric .....                   | No  |
| Medicare Discharges .....                                          | 30.7 %             | Hospice Care .....                              | No  |
| Case Mix Index (CMI) .....                                         | 1.0294             | Medical/Surgical Intensive Care .....           | No  |
| <b>STAFFING:</b>                                                   |                    | Organ/Tissue Transplant .....                   | No  |
| Total Number of Physicians.....                                    | 7                  | Other Intensive Care .....                      | No  |
| Percent of Physicians Board<br>Certified Specialists .....         | 71.4 %             | Trauma Center .....                             | No  |
| Medical Residents/Interns .....                                    | 0                  | <b>OTHER SPECIALTY/HOSPITAL-BASED SERVICES:</b> |     |
| Registered Nurses.....                                             | 17                 | Alcohol/Drug.....                               | No  |
| Licensed Practical Nurses .....                                    | 2                  | Rehabilitation.....                             | No  |
|                                                                    |                    | Psychiatric .....                               | No  |
|                                                                    |                    | Medicare Swing Beds .....                       | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# FRED HUTCHINSON CANCER RESEARCH CENTER

1124 COLUMBIA ST  
SEATTLE, WA 98104  
Medicare Provider Number: 500138

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 10                 | 10.0                | 11.1 | ----- | 20.0    | 19.0 | ----- | 20.0     | 24.4 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 1                  | 100.0               | 3.4  | ----- | 100.0   | 6.1  | ----- | 100.0    | 8.1  | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 9.6  | ----- | 0.0     | 14.2 | ----- | 0.0      | 17.0 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# FRED HUTCHINSON CANCER RESEARCH CENTER

Medicare Provider Number: 500138

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 40.8 years  
Proportion female..... 30.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 70.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 70.0 %  
Admitted for emergency..... 10.0 %

### COMORBIDITIES:

Cancer..... 30.0 %  
Chronic cardiovascular disease..... 10.0 %  
Chronic liver disease..... 10.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 0.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 18.8 %  
State..... 25.0 %  
Outside State..... 56.2 %  
Total..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 24.8 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1985

### PROFILE:

Total Beds..... 20  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI)..... 2.2450

### STAFFING:

Medical Residents/Interns..... 21  
Registered Nurses..... 76  
Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... No  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GARFIELD MEMORIAL HOSPITAL

NORTH 66 SIXTH ST  
POMEROY, WA 99347  
Medicare Provider Number: 500090

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 11                 | 18.2                | 4.9  | ----- | 18.2    | 7.3  | ----- | 18.2     | 9.5  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 1                  | 0.0                 | 11.2 | ----- | 0.0     | 16.6 | ----- | 0.0      | 22.0 | ----- |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# GARFIELD MEMORIAL HOSPITAL

Medicare Provider Number: 500090

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 70.9 years

Proportion female..... 72.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 100.0 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 9.1 %

### COMORBIDITIES:

Cancer..... 0.0 %

Chronic cardiovascular disease..... 27.3 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 0.0 %

Chronic pulmonary disease..... 0.0 %

Cerebrovascular degeneration..... 0.0 %

Diabetes mellitus..... 9.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 72.7%

State..... 18.2%

Outside State..... 9.1%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.2 Days

State..... 6.4 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds..... 54

Ownership/Control..... District/Authority

Case Mix Index (CMI)..... 0.8224

### STAFFING:

Medical Residents/Interns..... 0

Registered Nurses..... 6

Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit..... No

Coronary Care Unit..... No

Hospice Care..... No

Intensive Care Unit..... No

Organ Transplant..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GENERAL HOSPITAL MEDICAL CENTER

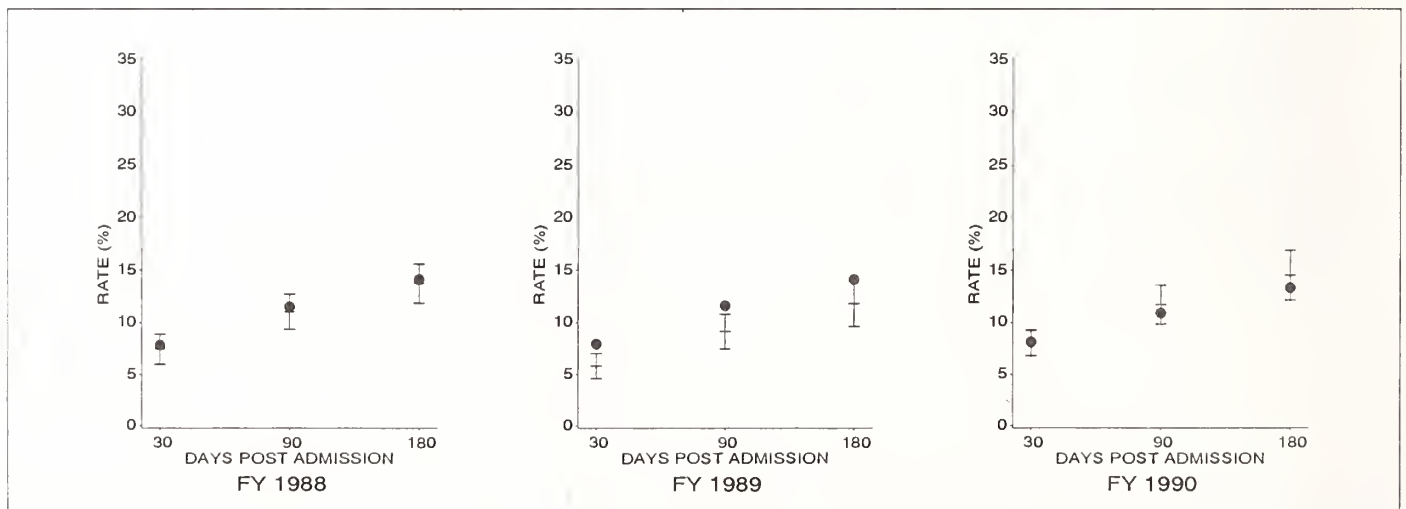
1321 COLBY AVE, BOX 1147  
EVERETT, WA 98201  
Medicare Provider Number: 500014

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1974               | 8.1                 | 8.0  | 0.6   | 10.9    | 11.7 | 0.9   | 13.3     | 14.5 | 1.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 94                 | 23.4                | 25.0 | 5.6   | 27.7    | 27.7 | 5.2   | 29.8     | 30.2 | 5.0   |
| Congestive Heart Failure.....              | 107                | 14.0                | 14.6 | 5.0   | 17.8    | 23.0 | 6.1   | 22.4     | 29.0 | 6.2   |
| Pneumonia/Influenza.....                   | 58                 | 5.2                 | 13.1 | 7.2   | 8.6     | 17.8 | 7.8   | 10.3     | 21.4 | 8.2   |
| Chronic Obstructive Pulmonary Disease..... | 31                 | 22.6                | 7.6  | ----- | 25.8    | 12.9 | ----- | 29.0     | 16.9 | ----- |
| Transient Cerebral Ischemia.....           | 23                 | 0.0                 | 1.6  | ----- | 0.0     | 3.6  | ----- | 0.0      | 6.0  | ----- |
| Stroke.....                                | 86                 | 22.1                | 23.0 | 5.3   | 23.3    | 28.7 | 7.2   | 27.9     | 32.5 | 7.5   |
| Hip Fracture.....                          | 50                 | 6.0                 | 6.0  | ----- | 8.0     | 10.6 | ----- | 10.0     | 13.9 | ----- |
| Sepsis.....                                | 13                 | 23.1                | 26.9 | ----- | 46.2    | 35.1 | ----- | 46.2     | 40.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 79                 | 2.5                 | 3.3  | 2.1   | 3.8     | 4.2  | 2.3   | 3.8      | 5.1  | 2.9   |
| Coronary Artery Bypass Graft.....          | 141                | 6.4                 | 5.6  | 2.0   | 7.8     | 8.0  | 2.9   | 7.8      | 9.1  | 3.0   |
| Initial Pacemaker Insertion.....           | 17                 | 5.9                 | 2.1  | ----- | 11.8    | 4.4  | ----- | 11.8     | 6.8  | ----- |
| Carotid Endarterectomy.....                | 31                 | 0.0                 | 1.2  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 34                 | 8.8                 | 2.2  | ----- | 8.8     | 4.1  | ----- | 8.8      | 5.6  | ----- |
| Open Reduction of Hip Fracture.....        | 27                 | 3.7                 | 5.5  | ----- | 3.7     | 10.0 | ----- | 7.4      | 13.4 | ----- |
| Prostatectomy.....                         | 75                 | 1.3                 | 0.8  | 1.2   | 2.7     | 2.1  | 1.8   | 2.7      | 3.7  | 2.4   |
| Cholecystectomy.....                       | 22                 | 0.0                 | 3.8  | ----- | 4.5     | 6.8  | ----- | 4.5      | 8.7  | ----- |
| Hysterectomy.....                          | 21                 | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GENERAL HOSPITAL MEDICAL CENTER

Medicare Provider Number: 500014

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.8 years  
Proportion female..... 50.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 48.7 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 29.0 %  
Admitted for emergency..... 49.3 %

### COMORBIDITIES:

Cancer..... 4.7 %  
Chronic cardiovascular disease..... 43.6 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 15.0 %  
Cerebrovascular degeneration..... 4.4 %  
Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.5%  
State ..... 11.6%  
Outside State ..... 2.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.7 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 207  
Occupancy Rate ..... 70.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 31.1 %  
Case Mix Index (CMI) ..... 1.6294

### STAFFING:

Total Number of Physicians..... 338  
Percent of Physicians Board  
Certified Specialists..... 76.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 292  
Licensed Practical Nurses ..... 19

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# GOOD SAMARITAN HOSPITAL

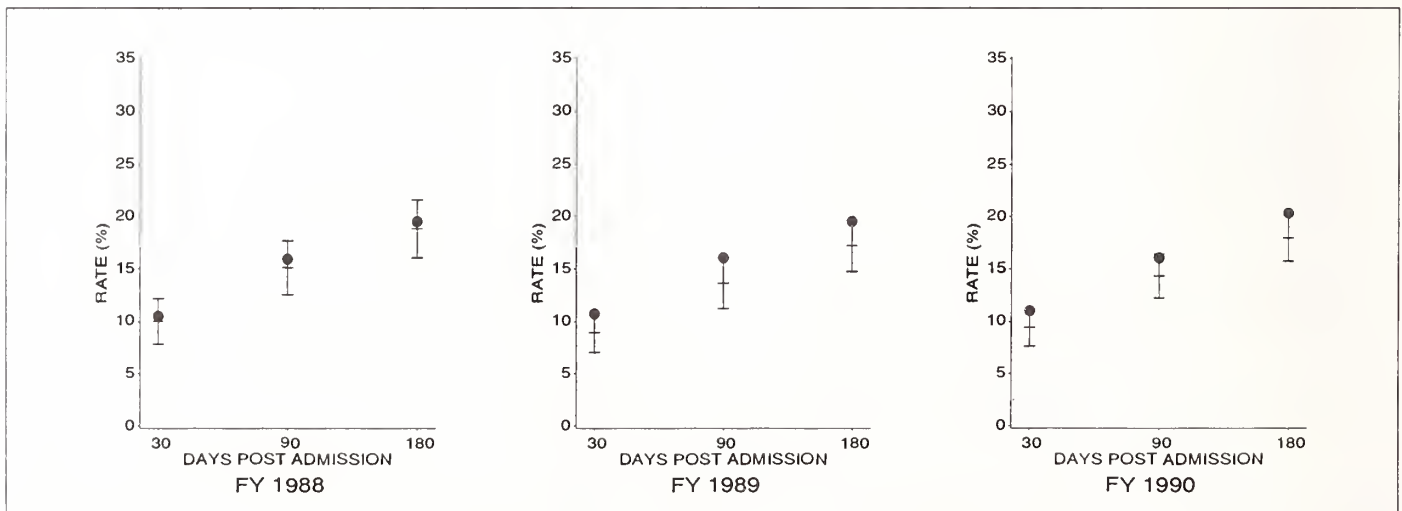
407 14TH AVE SE  
PUYALLUP, WA 98371  
Medicare Provider Number: 500079

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2128            | 11.0                | 9.4  | 0.9   | 16.0    | 14.3 | 1.0   | 20.3     | 17.9 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 62              | 27.4                | 23.3 | 9.1   | 29.0    | 26.3 | 9.1   | 30.6     | 29.2 | 9.5   |
| Congestive Heart Failure.....              | 131             | 19.8                | 13.6 | 5.2   | 26.7    | 21.3 | 5.4   | 34.4     | 27.3 | 5.3   |
| Pneumonia/Influenza.....                   | 128             | 19.5                | 14.5 | 3.6   | 31.3    | 19.9 | 5.0   | 38.3     | 23.6 | 5.8   |
| Chronic Obstructive Pulmonary Disease..... | 70              | 14.3                | 9.6  | 5.7   | 20.0    | 16.7 | 9.9   | 32.9     | 21.9 | 10.8  |
| Transient Cerebral Ischemia.....           | 31              | 0.0                 | 1.7  | ----- | 0.0     | 3.8  | ----- | 6.5      | 6.2  | ----- |
| Stroke.....                                | 95              | 10.5                | 16.9 | 5.0   | 16.8    | 22.8 | 5.8   | 21.1     | 26.4 | 7.0   |
| Hip Fracture.....                          | 73              | 8.2                 | 5.6  | 3.9   | 12.3    | 10.1 | 4.3   | 16.4     | 13.4 | 5.0   |
| Sepsis.....                                | 17              | 11.8                | 20.1 | ----- | 23.5    | 29.2 | ----- | 23.5     | 33.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 9               | 11.1                | 3.8  | ----- | 11.1    | 6.4  | ----- | 11.1     | 8.6  | ----- |
| Carotid Endarterectomy.....                | 24              | 8.3                 | 1.2  | ----- | 8.3     | 2.2  | ----- | 12.5     | 3.3  | ----- |
| Hip Replacement/Reconstruction.....        | 47              | 0.0                 | 2.8  | ----- | 4.3     | 5.2  | ----- | 4.3      | 7.0  | ----- |
| Open Reduction of Hip Fracture.....        | 34              | 8.8                 | 5.0  | ----- | 14.7    | 9.2  | ----- | 20.6     | 12.5 | ----- |
| Prostatectomy.....                         | 92              | 0.0                 | 0.9  | 1.2   | 0.0     | 2.2  | 2.1   | 0.0      | 3.7  | 3.2   |
| Cholecystectomy.....                       | 62              | 0.0                 | 2.0  | ----- | 0.0     | 3.6  | ----- | 0.0      | 4.6  | ----- |
| Hysterectomy.....                          | 23              | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GOOD SAMARITAN HOSPITAL

Medicare Provider Number: 500079

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 54.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 38.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 17.5 %  
Admitted for emergency..... 18.6 %

### COMORBIDITIES:

Cancer..... 8.7 %  
Chronic cardiovascular disease..... 39.2 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 15.5 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 6.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 91.3%  
State ..... 6.1%  
Outside State ..... 2.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 199  
Occupancy Rate ..... 74.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 35.0 %  
Case Mix Index (CMI) ..... 1.2052

### STAFFING:

Total Number of Physicians..... 130  
Percent of Physicians Board  
Certified Specialists..... 88.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 221  
Licensed Practical Nurses ..... 68

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# GRAYS HARBOR COMMUNITY HOSPITAL

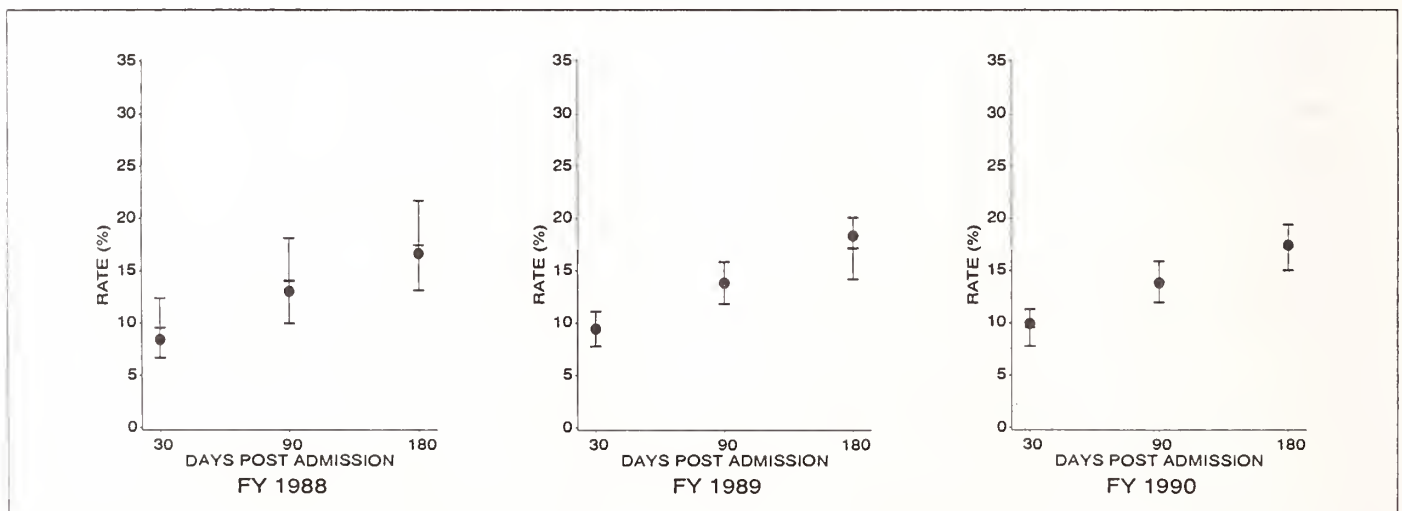
915 ANDERSON DRIVE  
ABERDEEN, WA 98520  
Medicare Provider Number: 500031

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1238               | 9.9                 | 9.5  | 0.9  | 13.8    | 13.9 | 1.0  | 17.4     | 17.2 | 1.1  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 38                 | 26.3                | 25.9 | ---- | 28.9    | 28.7 | ---- | 34.2     | 31.5 | ---- |
| Congestive Heart Failure.....              | 94                 | 19.1                | 14.4 | 7.7  | 28.7    | 22.8 | 7.4  | 31.9     | 29.2 | 7.7  |
| Pneumonia/Influenza.....                   | 72                 | 11.1                | 14.8 | 5.3  | 13.9    | 20.4 | 7.7  | 13.9     | 24.2 | 9.3  |
| Chronic Obstructive Pulmonary Disease..... | 14                 | 14.3                | 7.7  | ---- | 14.3    | 12.9 | ---- | 14.3     | 16.9 | ---- |
| Transient Cerebral Ischemia.....           | 14                 | 0.0                 | 1.7  | ---- | 7.1     | 4.2  | ---- | 7.1      | 7.2  | ---- |
| Stroke.....                                | 62                 | 22.6                | 21.4 | 5.5  | 27.4    | 26.9 | 6.0  | 32.3     | 30.7 | 7.3  |
| Hip Fracture.....                          | 45                 | 15.6                | 7.4  | ---- | 22.2    | 13.1 | ---- | 24.4     | 16.8 | ---- |
| Sepsis.....                                | 17                 | 17.6                | 27.0 | ---- | 29.4    | 35.6 | ---- | 35.3     | 40.4 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 7                  | 14.3                | 3.5  | ---- | 14.3    | 7.2  | ---- | 14.3     | 11.2 | ---- |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 21                 | 9.5                 | 4.4  | ---- | 14.3    | 7.6  | ---- | 14.3     | 9.7  | ---- |
| Open Reduction of Hip Fracture.....        | 23                 | 8.7                 | 6.9  | ---- | 13.0    | 12.9 | ---- | 17.4     | 16.9 | ---- |
| Prostatectomy.....                         | 81                 | 1.2                 | 0.6  | 1.1  | 1.2     | 1.5  | 1.4  | 3.7      | 2.8  | 2.1  |
| Cholecystectomy.....                       | 32                 | 9.4                 | 3.1  | ---- | 12.5    | 5.4  | ---- | 12.5     | 6.8  | ---- |
| Hysterectomy.....                          | 7                  | 0.0                 | 0.3  | ---- | 0.0     | 0.7  | ---- | 0.0      | 1.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GRAYS HARBOR COMMUNITY HOSPITAL

Medicare Provider Number: 500031

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.8 years  
Proportion female..... 49.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.7 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 33.0 %  
Admitted for emergency..... 57.8 %

### COMORBIDITIES:

Cancer..... 7.7 %  
Chronic cardiovascular disease..... 36.2 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 3.4 %  
Chronic pulmonary disease..... 14.2 %  
Cerebrovascular degeneration..... 4.8 %  
Diabetes mellitus..... 10.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 91.2%  
State ..... 7.1%  
Outside State ..... 1.7%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 149  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 41.2 %  
Case Mix Index (CMI) ..... 1.2273

### STAFFING:

Total Number of Physicians..... 46  
Percent of Physicians Board  
Certified Specialists..... 84.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 112  
Licensed Practical Nurses ..... 38

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# GROUP HEALTH HOSPITAL

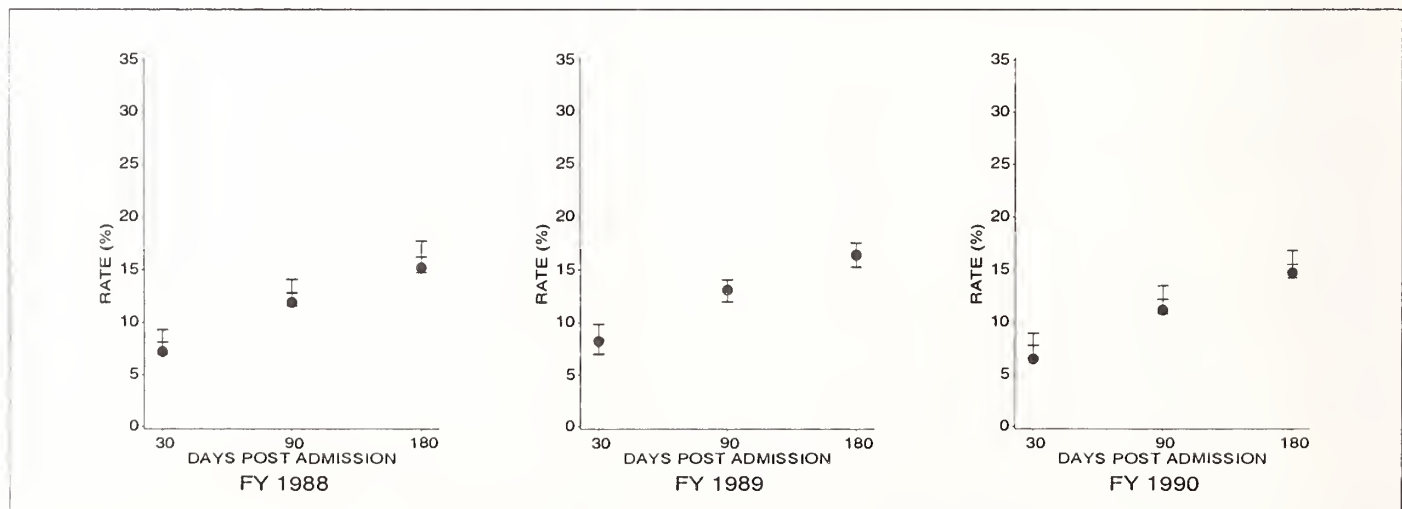
201 16TH AVE E  
SEATTLE, WA 98102  
Medicare Provider Number: 500052

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 4378            | 6.5                 | 7.8  | 0.6   | 11.2    | 12.2 | 0.7   | 14.7     | 15.5 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 98              | 14.3                | 25.8 | 6.3   | 18.4    | 28.9 | 7.2   | 19.4     | 31.8 | 7.1   |
| Congestive Heart Failure.....              | 165             | 18.2                | 15.6 | 4.0   | 26.1    | 24.3 | 4.0   | 35.2     | 30.4 | 5.5   |
| Pneumonia/Influenza.....                   | 163             | 12.3                | 15.7 | 3.4   | 15.3    | 21.7 | 4.5   | 22.7     | 25.8 | 4.7   |
| Chronic Obstructive Pulmonary Disease..... | 80              | 5.0                 | 10.1 | 4.9   | 15.0    | 17.2 | 4.9   | 18.8     | 22.0 | 5.1   |
| Transient Cerebral Ischemia.....           | 56              | 0.0                 | 1.3  | 1.9   | 1.8     | 3.1  | 2.7   | 1.8      | 5.1  | 4.0   |
| Stroke.....                                | 184             | 16.8                | 19.4 | 4.9   | 23.9    | 25.5 | 5.1   | 27.2     | 29.3 | 5.1   |
| Hip Fracture.....                          | 120             | 9.2                 | 6.4  | 3.6   | 15.0    | 11.6 | 3.8   | 19.2     | 15.3 | 4.3   |
| Sepsis.....                                | 28              | 14.3                | 18.7 | ----- | 28.6    | 27.4 | ----- | 32.1     | 32.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 32              | 6.3                 | 2.7  | ----- | 6.3     | 5.4  | ----- | 9.4      | 7.8  | ----- |
| Carotid Endarterectomy.....                | 26              | 0.0                 | 1.3  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 144             | 4.2                 | 1.9  | 1.6   | 6.9     | 3.5  | 2.3   | 9.7      | 4.8  | 3.0   |
| Open Reduction of Hip Fracture.....        | 63              | 9.5                 | 5.6  | 4.9   | 15.9    | 10.5 | 5.1   | 17.5     | 14.2 | 6.0   |
| Prostatectomy.....                         | 162             | 0.0                 | 0.5  | 0.9   | 0.6     | 1.2  | 1.4   | 1.9      | 2.2  | 1.7   |
| Cholecystectomy.....                       | 81              | 1.2                 | 2.0  | 2.1   | 1.2     | 3.8  | 3.4   | 2.5      | 5.3  | 4.0   |
| Hysterectomy.....                          | 50              | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# GROUP HEALTH HOSPITAL

Medicare Provider Number: 500052

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.2 years |
| Proportion female.....        | 56.0 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 36.0 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 26.4 % |
| Admitted for emergency.....                    | 31.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.7 %  |
| Chronic cardiovascular disease..... | 26.5 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 3.6 %  |
| Chronic pulmonary disease.....      | 9.8 %  |
| Cerebrovascular degeneration.....   | 5.4 %  |
| Diabetes mellitus.....              | 5.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 84.4%  |
| State .....         | 14.8%  |
| Outside State ..... | 0.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.4 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 268                 |
| Occupancy Rate .....       | 65.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 39.5 %              |
| Case Mix Index (CMI) ..... | 1.2317              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 580    |
| Percent of Physicians Board<br>Certified Specialists ..... | 94.3 % |
| Medical Residents/Interns .....                            | 1      |
| Registered Nurses.....                                     | 332    |
| Licensed Practical Nurses .....                            | 21     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARBORVIEW MEDICAL CENTER

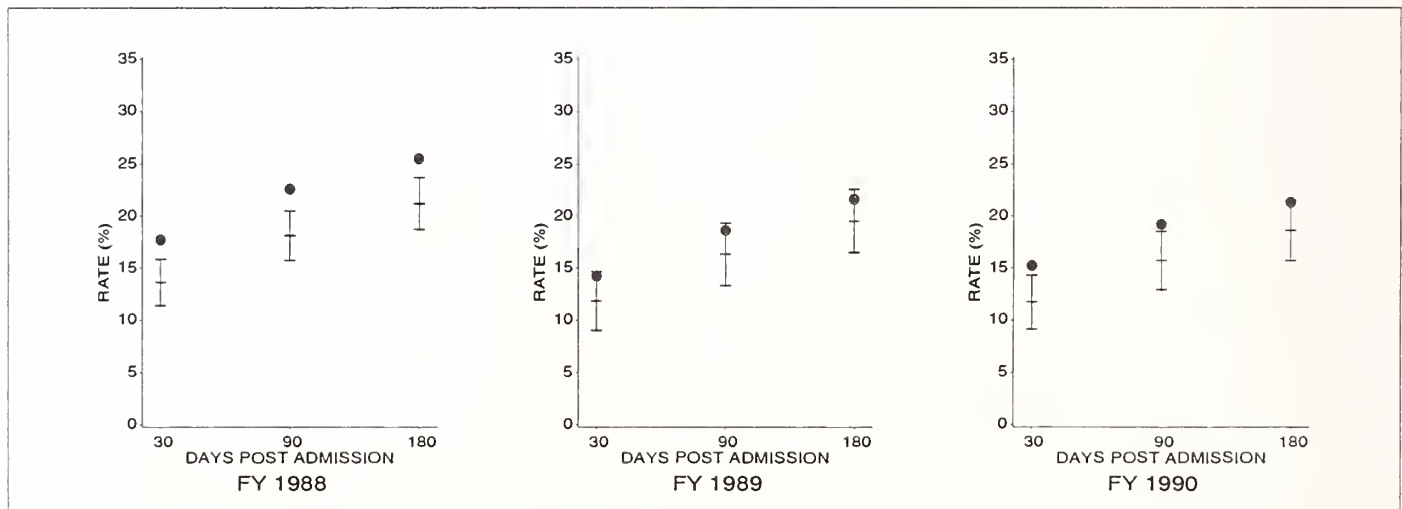
325 9TH AVENUE  
SEATTLE, WA 98104  
Medicare Provider Number: 500064

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1081               | 15.2                | 11.7 | 1.3   | 19.2    | 15.7 | 1.4   | 21.3     | 18.6 | 1.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 31                 | 38.7                | 26.5 | ----- | 38.7    | 29.1 | ----- | 41.9     | 31.4 | ----- |
| Congestive Heart Failure.....              | 28                 | 10.7                | 12.8 | ----- | 17.9    | 20.1 | ----- | 21.4     | 25.7 | ----- |
| Pneumonia/Influenza.....                   | 42                 | 9.5                 | 10.8 | ----- | 14.3    | 14.6 | ----- | 19.0     | 17.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 19                 | 5.3                 | 7.8  | ----- | 10.5    | 13.0 | ----- | 10.5     | 16.6 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.5  | ----- | 0.0     | 3.0  | ----- | 0.0      | 4.3  | ----- |
| Stroke.....                                | 43                 | 37.2                | 31.1 | ----- | 51.2    | 35.8 | ----- | 51.2     | 38.9 | ----- |
| Hip Fracture.....                          | 24                 | 4.2                 | 5.6  | ----- | 4.2     | 9.5  | ----- | 4.2      | 12.2 | ----- |
| Sepsis.....                                | 8                  | 50.0                | 24.1 | ----- | 50.0    | 29.7 | ----- | 50.0     | 34.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7                  | 0.0                 | 6.4  | ----- | 0.0     | 11.3 | ----- | 0.0      | 14.7 | ----- |
| Carotid Endarterectomy.....                | 3                  | 0.0                 | 1.4  | ----- | 0.0     | 2.4  | ----- | 0.0      | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 2                  | 0.0                 | 3.1  | ----- | 0.0     | 5.9  | ----- | 0.0      | 8.3  | ----- |
| Open Reduction of Hip Fracture.....        | 15                 | 6.7                 | 5.6  | ----- | 6.7     | 9.7  | ----- | 6.7      | 12.5 | ----- |
| Prostatectomy.....                         | 11                 | 18.2                | 2.0  | ----- | 18.2    | 4.8  | ----- | 18.2     | 8.1  | ----- |
| Cholecystectomy.....                       | 9                  | 0.0                 | 5.9  | ----- | 11.1    | 9.8  | ----- | 11.1     | 12.6 | ----- |
| Hysterectomy.....                          | 7                  | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# HARBORVIEW MEDICAL CENTER

Medicare Provider Number: 500064

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 65.3 years  
Proportion female..... 36.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 11.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 1.9 %  
Admitted for emergency..... 87.4 %

### COMORBIDITIES:

Cancer..... 3.9 %  
Chronic cardiovascular disease..... 26.3 %  
Chronic liver disease..... 2.0 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 9.5 %  
Cerebrovascular degeneration..... 10.2 %  
Diabetes mellitus..... 3.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.9%  
State ..... 18.0%  
Outside State ..... 7.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 9.0 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 314  
Occupancy Rate ..... 83.0 %  
Ownership/Control..... Local Government  
Medicare Discharges ..... 18.3 %  
Case Mix Index (CMI) ..... 1.5362

### STAFFING:

Total Number of Physicians..... 634  
Percent of Physicians Board  
Certified Specialists ..... 68.6 %  
Medical Residents/Interns ..... 104  
Registered Nurses..... 433  
Licensed Practical Nurses..... 11

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# HARRISON MEMORIAL HOSPITAL

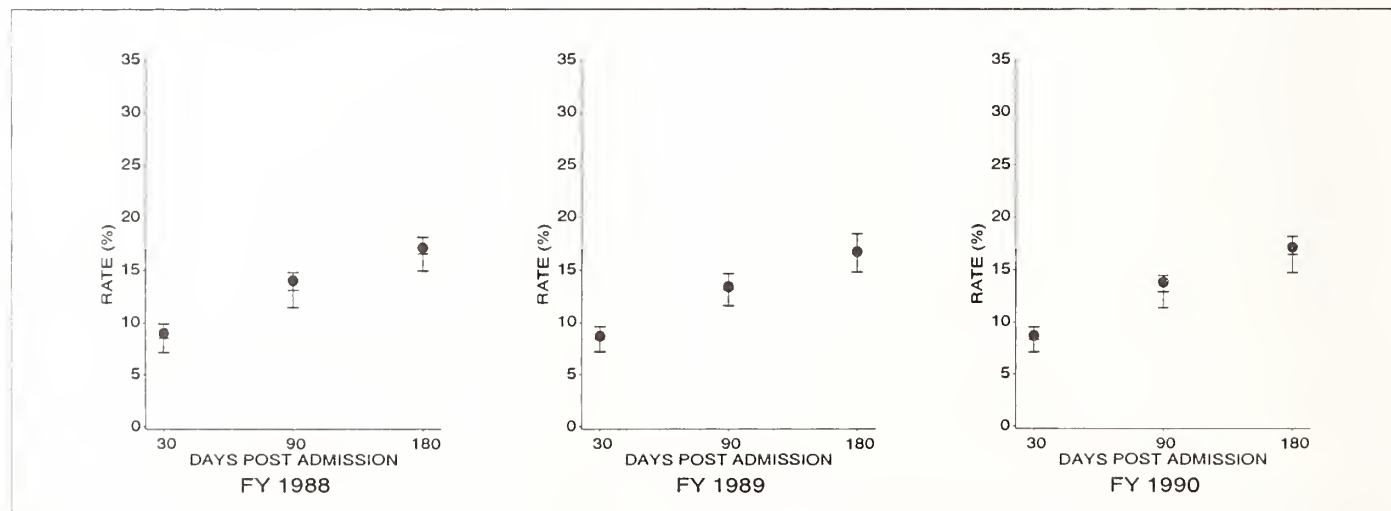
2520 CHERRY AVENUE  
BREMERTON, WA 98310  
Medicare Provider Number: 500039

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3091            | 8.7                 | 8.3  | 0.6  | 13.8    | 12.9 | 0.8  | 17.1     | 16.4 | 0.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 104             | 18.3                | 23.5 | 9.0  | 19.2    | 26.1 | 9.1  | 23.1     | 28.7 | 8.8  |
| Congestive Heart Failure.....              | 109             | 10.1                | 14.3 | 4.1  | 22.9    | 22.8 | 4.4  | 31.2     | 28.8 | 5.7  |
| Pneumonia/Influenza.....                   | 138             | 13.8                | 14.7 | 3.1  | 17.4    | 20.5 | 4.0  | 21.0     | 24.6 | 4.5  |
| Chronic Obstructive Pulmonary Disease..... | 72              | 4.2                 | 6.1  | 3.3  | 12.5    | 10.9 | 3.9  | 19.4     | 14.8 | 5.7  |
| Transient Cerebral Ischemia.....           | 33              | 0.0                 | 1.9  | ---- | 0.0     | 4.3  | ---- | 0.0      | 7.0  | ---- |
| Stroke.....                                | 93              | 20.4                | 16.7 | 4.5  | 23.7    | 23.4 | 4.4  | 23.7     | 27.2 | 5.0  |
| Hip Fracture.....                          | 101             | 9.9                 | 6.1  | 3.7  | 15.8    | 11.3 | 4.0  | 15.8     | 15.1 | 5.6  |
| Sepsis.....                                | 33              | 12.1                | 21.6 | ---- | 21.2    | 27.7 | ---- | 21.2     | 31.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 15              | 13.3                | 3.9  | ---- | 13.3    | 7.5  | ---- | 13.3     | 10.6 | ---- |
| Carotid Endarterectomy.....                | 38              | 5.3                 | 0.9  | ---- | 7.9     | 1.8  | ---- | 7.9      | 2.8  | ---- |
| Hip Replacement/Reconstruction.....        | 99              | 3.0                 | 3.1  | 2.6  | 7.1     | 6.1  | 3.3  | 7.1      | 8.5  | 4.3  |
| Open Reduction of Hip Fracture.....        | 48              | 10.4                | 5.7  | ---- | 14.6    | 10.8 | ---- | 14.6     | 14.7 | ---- |
| Prostatectomy.....                         | 144             | 2.1                 | 1.0  | 1.6  | 2.8     | 2.3  | 1.7  | 4.2      | 3.8  | 2.1  |
| Cholecystectomy.....                       | 50              | 2.0                 | 2.4  | ---- | 2.0     | 3.9  | ---- | 2.0      | 4.9  | ---- |
| Hysterectomy.....                          | 41              | 2.4                 | 0.5  | ---- | 2.4     | 1.1  | ---- | 2.4      | 1.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm$ 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HARRISON MEMORIAL HOSPITAL

Medicare Provider Number: 500039

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.5 years |
| Proportion female.....        | 57.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 48.9 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 25.0 % |
| Admitted for emergency.....                    | 50.0 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 9.9 %  |
| Chronic cardiovascular disease..... | 24.6 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 3.5 %  |
| Chronic pulmonary disease.....      | 13.8 % |
| Cerebrovascular degeneration.....   | 5.5 %  |
| Diabetes mellitus.....              | 6.6 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 83.8%  |
| State .....         | 13.4%  |
| Outside State ..... | 2.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.1 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 244                 |
| Occupancy Rate .....       | 73.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 37.7 %              |
| Case Mix Index (CMI) ..... | 1.2863              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 179    |
| Percent of Physicians Board<br>Certified Specialists ..... | 89.4 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 247    |
| Licensed Practical Nurses .....                            | 63     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# HIGHLINE COMMUNITY HOSPITAL

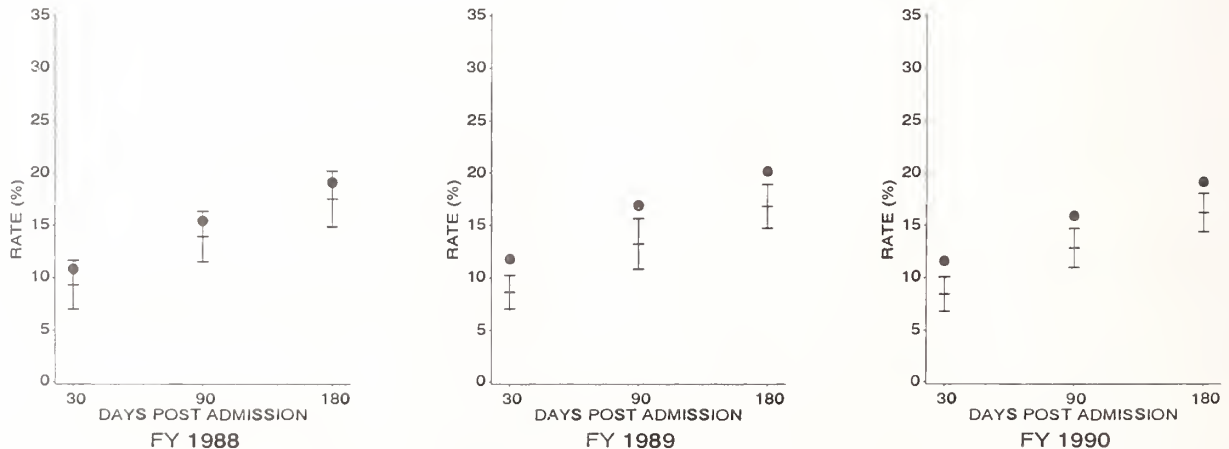
16251 SYLVESTER RD SW  
SEATTLE, WA 98166  
Medicare Provider Number: 500011

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1722            | 11.6                | 8.4  | 0.8   | 15.9    | 12.8 | 0.9   | 19.2     | 16.2 | 0.9   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 57              | 26.3                | 24.5 | 5.9   | 29.8    | 27.2 | 6.1   | 31.6     | 29.7 | 6.3   |
| Congestive Heart Failure.....              | 99              | 15.2                | 12.1 | 5.0   | 24.2    | 19.1 | 7.8   | 31.3     | 24.8 | 9.1   |
| Pneumonia/Influenza.....                   | 76              | 17.1                | 12.8 | 5.4   | 22.4    | 18.4 | 5.3   | 23.7     | 22.2 | 5.7   |
| Chronic Obstructive Pulmonary Disease..... | 16              | 31.3                | 9.2  | ----- | 37.5    | 15.2 | ----- | 43.8     | 19.8 | ----- |
| Transient Cerebral Ischemia.....           | 24              | 4.2                 | 1.4  | ----- | 4.2     | 3.2  | ----- | 4.2      | 5.3  | ----- |
| Stroke.....                                | 71              | 26.8                | 17.8 | 5.8   | 29.6    | 23.9 | 5.5   | 31.0     | 27.5 | 5.5   |
| Hip Fracture.....                          | 67              | 3.0                 | 4.3  | 2.9   | 4.5     | 7.7  | 5.3   | 6.0      | 10.3 | 6.7   |
| Sepsis.....                                | 5               | 20.0                | 13.8 | ----- | 20.0    | 18.1 | ----- | 20.0     | 21.6 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 5               | 20.0                | 10.0 | ----- | 20.0    | 11.2 | ----- | 40.0     | 12.4 | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 14              | 7.1                 | 4.5  | ----- | 21.4    | 8.2  | ----- | 21.4     | 10.9 | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 2.2  | ----- | 0.0     | 5.4  | ----- | 0.0      | 8.7  | ----- |
| Hip Replacement/Reconstruction.....        | 55              | 5.5                 | 2.0  | 3.3   | 5.5     | 3.9  | 3.0   | 5.5      | 5.5  | 3.3   |
| Open Reduction of Hip Fracture.....        | 34              | 0.0                 | 4.2  | ----- | 2.9     | 7.7  | ----- | 5.9      | 10.4 | ----- |
| Prostatectomy.....                         | 67              | 0.0                 | 0.5  | 1.1   | 0.0     | 1.4  | 2.0   | 1.5      | 2.5  | 2.3   |
| Cholecystectomy.....                       | 31              | 3.2                 | 2.3  | ----- | 6.5     | 4.4  | ----- | 9.7      | 6.0  | ----- |
| Hysterectomy.....                          | 11              | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HIGHLINE COMMUNITY HOSPITAL

Medicare Provider Number: 500011

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.7 years |
| Proportion female.....        | 58.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 45.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 40.5 % |
| Admitted for emergency.....                    | 36.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 8.9 %  |
| Chronic cardiovascular disease..... | 31.5 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 2.1 %  |
| Chronic pulmonary disease.....      | 13.2 % |
| Cerebrovascular degeneration.....   | 3.2 %  |
| Diabetes mellitus.....              | 6.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 92.1%  |
| State .....         | 4.1%   |
| Outside State ..... | 3.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.2 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 249                 |
| Occupancy Rate .....       | 54.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 25.0 %              |
| Case Mix Index (CMI) ..... | 1.2440              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 164    |
| Percent of Physicians Board<br>Certified Specialists ..... | 80.5 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 224    |
| Licensed Practical Nurses .....                            | 38     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | Yes |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates



# HOLY FAMILY HOSPITAL

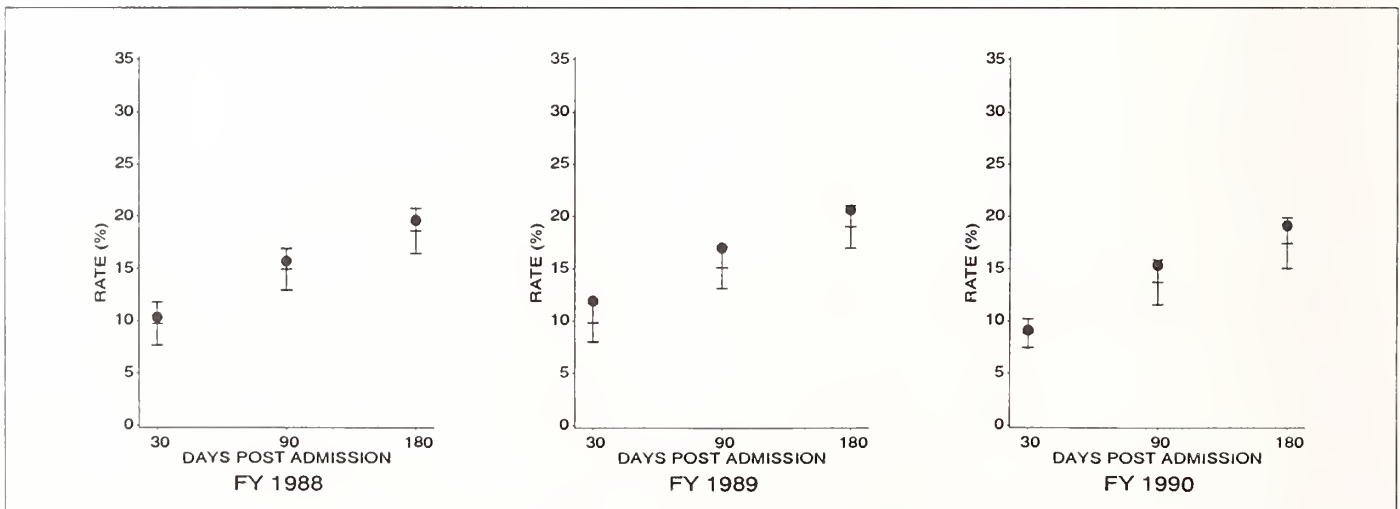
N 5633 LIDGERWOOD  
SPOKANE, WA 99207  
Medicare Provider Number: 500077

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2026            | 9.1                 | 8.8  | 0.7   | 15.3    | 13.7 | 1.1   | 19.1     | 17.4 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 44              | 27.3                | 27.8 | ----- | 34.1    | 31.4 | ----- | 38.6     | 34.4 | ----- |
| Congestive Heart Failure.....              | 92              | 12.0                | 14.3 | 4.2   | 22.8    | 22.5 | 4.4   | 31.5     | 28.3 | 5.4   |
| Pneumonia/Influenza.....                   | 131             | 9.2                 | 15.1 | 4.1   | 13.7    | 21.2 | 5.0   | 20.6     | 25.3 | 4.6   |
| Chronic Obstructive Pulmonary Disease..... | 61              | 11.5                | 7.8  | 7.8   | 18.0    | 13.7 | 9.3   | 21.3     | 18.0 | 9.5   |
| Transient Cerebral Ischemia.....           | 25              | 0.0                 | 1.4  | ----- | 0.0     | 3.2  | ----- | 4.0      | 5.4  | ----- |
| Stroke.....                                | 87              | 20.7                | 19.5 | 4.4   | 27.6    | 26.0 | 5.0   | 31.0     | 29.9 | 5.0   |
| Hip Fracture.....                          | 85              | 5.9                 | 7.1  | 4.3   | 12.9    | 12.3 | 4.6   | 17.6     | 15.9 | 4.2   |
| Sepsis.....                                | 20              | 40.0                | 25.2 | ----- | 50.0    | 33.1 | ----- | 55.0     | 38.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 18              | 0.0                 | 4.8  | ----- | 11.1    | 8.3  | ----- | 11.1     | 11.1 | ----- |
| Carotid Endarterectomy.....                | 14              | 7.1                 | 1.2  | ----- | 7.1     | 2.3  | ----- | 14.3     | 3.5  | ----- |
| Hip Replacement/Reconstruction.....        | 62              | 6.5                 | 4.0  | 3.5   | 9.7     | 7.1  | 4.3   | 12.9     | 9.4  | 4.9   |
| Open Reduction of Hip Fracture.....        | 39              | 2.6                 | 5.9  | ----- | 7.7     | 10.7 | ----- | 15.4     | 14.3 | ----- |
| Prostatectomy.....                         | 90              | 0.0                 | 0.6  | 1.7   | 3.3     | 1.6  | 2.0   | 4.4      | 2.9  | 2.4   |
| Cholecystectomy.....                       | 35              | 2.9                 | 2.2  | ----- | 8.6     | 4.4  | ----- | 8.6      | 6.1  | ----- |
| Hysterectomy.....                          | 26              | 0.0                 | 0.6  | ----- | 3.8     | 1.4  | ----- | 3.8      | 2.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# HOLY FAMILY HOSPITAL

Medicare Provider Number: 500077

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.7 years |
| Proportion female.....        | 58.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 43.8 % |
| Transferred from skilled nursing facility..... | 4.5 %  |
| Admitted for elective procedure.....           | 21.7 % |
| Admitted for emergency.....                    | 22.6 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 10.5 % |
| Chronic cardiovascular disease..... | 30.9 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 0.9 %  |
| Chronic pulmonary disease.....      | 16.1 % |
| Cerebrovascular degeneration.....   | 3.4 %  |
| Diabetes mellitus.....              | 5.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 86.1%  |
| State .....         | 9.3%   |
| Outside State ..... | 4.6%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.7 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 168    |
| Occupancy Rate .....       | 61.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 37.8 % |
| Case Mix Index (CMI) ..... | 1.2439 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 119    |
| Percent of Physicians Board<br>Certified Specialists ..... | 88.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 149    |
| Licensed Practical Nurses .....                            | 14     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

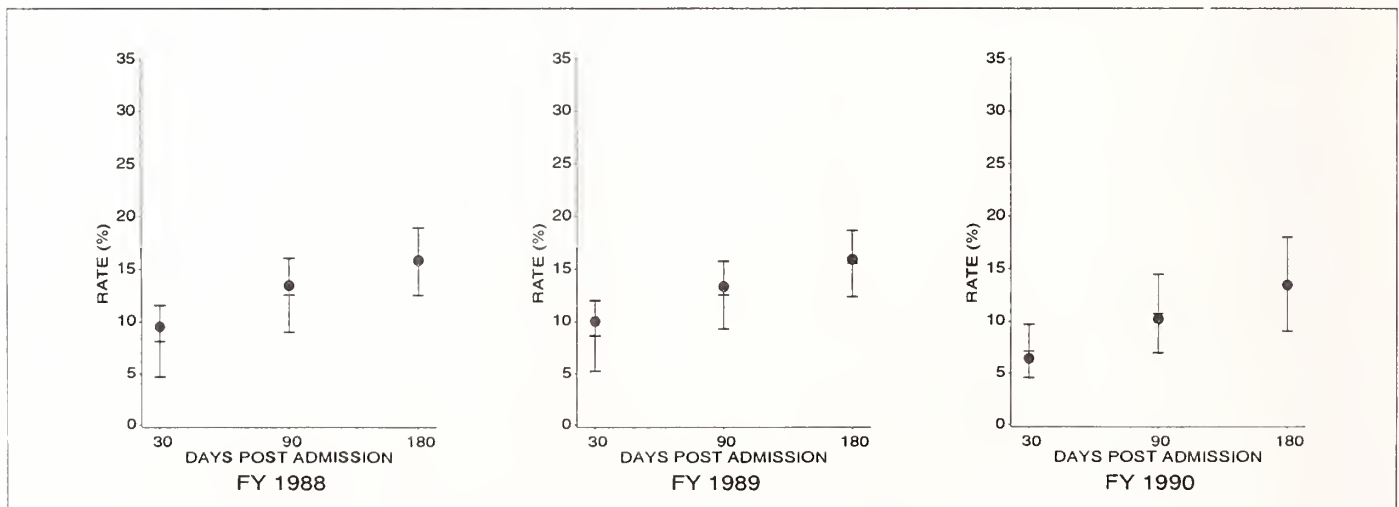
**ISLAND HOSPITAL**  
24TH & M AVE  
ANACORTES, WA 98221  
Medicare Provider Number: 500007

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 596                | 6.4                 | 7.1  | 1.3   | 10.2    | 10.7 | 1.9   | 13.4     | 13.5 | 2.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 26                 | 7.7                 | 22.9 | ----- | 7.7     | 25.6 | ----- | 7.7      | 28.3 | ----- |
| Congestive Heart Failure.....              | 21                 | 4.8                 | 13.2 | ----- | 9.5     | 20.7 | ----- | 14.3     | 26.3 | ----- |
| Pneumonia/Influenza.....                   | 38                 | 13.2                | 14.0 | ----- | 15.8    | 19.4 | ----- | 18.4     | 23.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 1.7  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.1  | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 1.0  | ----- | 0.0     | 2.6  | ----- | 0.0      | 5.1  | ----- |
| Stroke.....                                | 17                 | 11.8                | 18.1 | ----- | 23.5    | 23.5 | ----- | 23.5     | 26.9 | ----- |
| Hip Fracture.....                          | 20                 | 0.0                 | 5.5  | ----- | 20.0    | 10.1 | ----- | 30.0     | 13.3 | ----- |
| Sepsis.....                                | 5                  | 20.0                | 27.3 | ----- | 40.0    | 32.6 | ----- | 60.0     | 36.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 1.8  | ----- | 0.0     | 3.9  | ----- | 0.0      | 6.3  | ----- |
| Carotid Endarterectomy.....                | 9                  | 0.0                 | 0.8  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.6  | ----- |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 5.0  | ----- | 0.0     | 9.0  | ----- | 14.3     | 11.7 | ----- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 5.6  | ----- | 0.0     | 11.1 | ----- | 25.0     | 15.4 | ----- |
| Prostatectomy.....                         | 68                 | 0.0                 | 0.5  | 1.2   | 1.5     | 1.4  | 1.7   | 1.5      | 2.5  | 3.4   |
| Cholecystectomy.....                       | 22                 | 0.0                 | 1.1  | ----- | 0.0     | 2.2  | ----- | 0.0      | 3.1  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 1.0  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**ISLAND HOSPITAL**  
Medicare Provider Number: 500007

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 75.3 years  
Proportion female..... 50.2 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 63.4 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 29.7 %  
Admitted for emergency..... 30.0 %

**COMORBIDITIES:**

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 23.3 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 6.7 %  
Cerebrovascular degeneration..... 3.9 %  
Diabetes mellitus..... 5.0 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 67.9%  
State ..... 27.4%  
Outside State ..... 4.7%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.7 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 44  
Occupancy Rate ..... 45.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 48.1 %  
Case Mix Index (CMI) ..... 1.2829

**STAFFING:**

Total Number of Physicians..... 44  
Percent of Physicians Board  
Certified Specialists ..... 88.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 46  
Licensed Practical Nurses..... 3

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# JEFFERSON GENERAL HOSPITAL

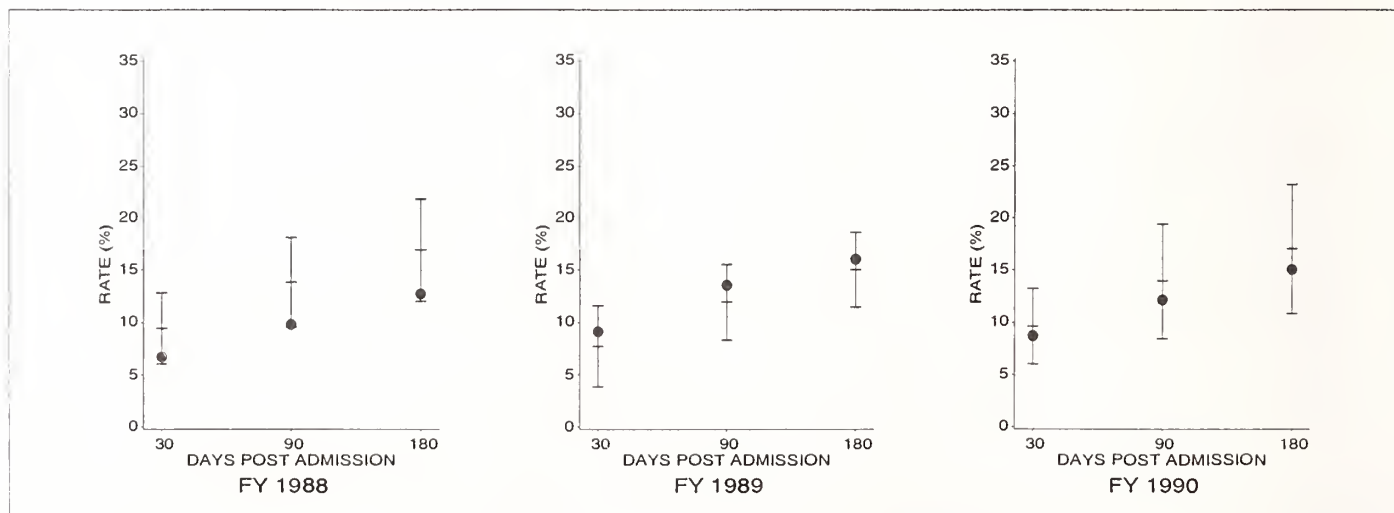
NINTH & SHERIDAN  
PORT TOWNSEND, WA 98368  
Medicare Provider Number: 500059

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 439                | 8.7                 | 9.6  | 1.8   | 12.1    | 13.9 | 2.7   | 15.0     | 17.0 | 3.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19                 | 26.3                | 32.0 | ----- | 26.3    | 34.3 | ----- | 26.3     | 36.8 | ----- |
| Congestive Heart Failure.....              | 28                 | 21.4                | 17.1 | ----- | 21.4    | 26.6 | ----- | 25.0     | 33.4 | ----- |
| Pneumonia/Influenza.....                   | 30                 | 3.3                 | 13.4 | ----- | 20.0    | 18.4 | ----- | 20.0     | 22.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 19                 | 15.8                | 9.5  | ----- | 26.3    | 16.5 | ----- | 36.8     | 21.1 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 1.9  | ----- | 0.0     | 4.4  | ----- | 16.7     | 7.4  | ----- |
| Stroke.....                                | 13                 | 23.1                | 19.9 | ----- | 30.8    | 26.8 | ----- | 38.5     | 31.0 | ----- |
| Hip Fracture.....                          | 10                 | 10.0                | 5.5  | ----- | 20.0    | 9.7  | ----- | 20.0     | 12.8 | ----- |
| Sepsis.....                                | 6                  | 0.0                 | 21.3 | ----- | 16.7    | 29.1 | ----- | 16.7     | 33.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 9                  | 0.0                 | 1.9  | ----- | 0.0     | 3.4  | ----- | 0.0      | 4.9  | ----- |
| Open Reduction of Hip Fracture.....        | 8                  | 12.5                | 5.6  | ----- | 25.0    | 10.2 | ----- | 25.0     | 13.6 | ----- |
| Prostatectomy.....                         | 26                 | 0.0                 | 0.7  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.2  | ----- |
| Cholecystectomy.....                       | 8                  | 0.0                 | 1.7  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.0  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 1.7  | ----- | 0.0     | 2.9  | ----- | 0.0      | 4.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# JEFFERSON GENERAL HOSPITAL

Medicare Provider Number: 500059

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.7 years |
| Proportion female.....        | 51.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 26.2 % |
| Transferred from skilled nursing facility..... | 0.9 %  |
| Admitted for elective procedure.....           | 18.9 % |
| Admitted for emergency.....                    | 58.1 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.8 %  |
| Chronic cardiovascular disease..... | 39.0 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 2.1 %  |
| Chronic pulmonary disease.....      | 19.6 % |
| Cerebrovascular degeneration.....   | 4.1 %  |
| Diabetes mellitus.....              | 5.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 87.0%  |
| State .....         | 9.5%   |
| Outside State ..... | 3.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 3.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 43                 |
| Ownership/Control.....     | District/Authority |
| Case Mix Index (CMI) ..... | 1.1245             |

### STAFFING:

|                                 |    |
|---------------------------------|----|
| Medical Residents/Interns ..... | 0  |
| Registered Nurses.....          | 38 |
| Licensed Practical Nurses ..... | 1  |

### SPECIALTY SERVICES:

|                           |     |
|---------------------------|-----|
| Burn Unit .....           | No  |
| Coronary Care Unit .....  | Yes |
| Hospice Care .....        | Yes |
| Intensive Care Unit ..... | Yes |
| Organ Transplant .....    | No  |
| Trauma Center .....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# KADLEC MEDICAL CENTER

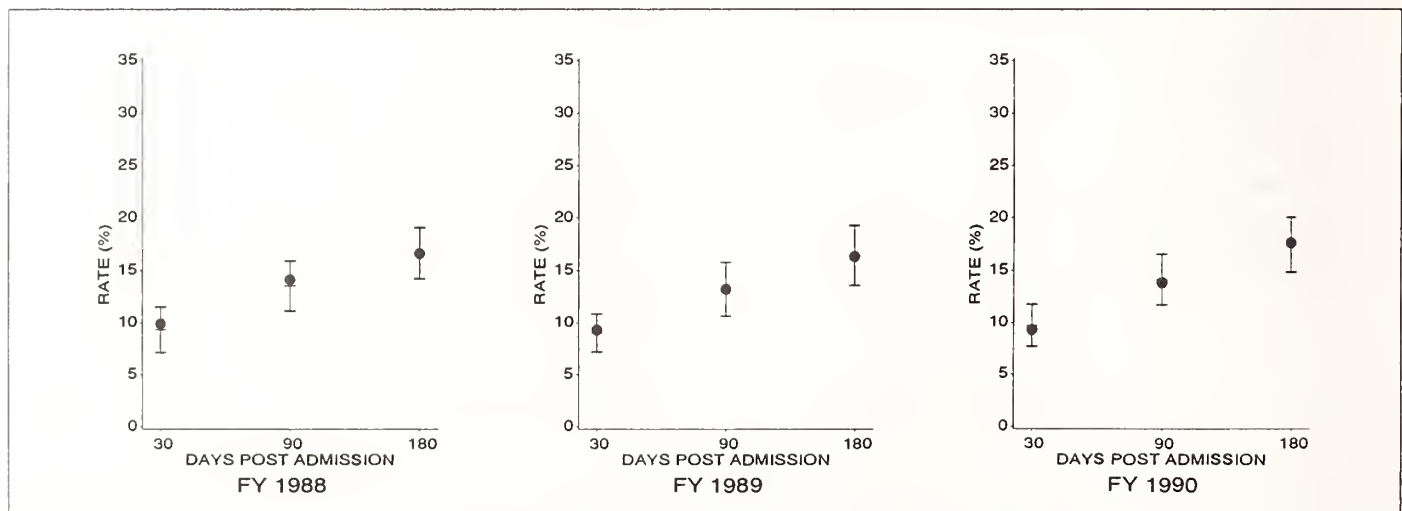
888 SWIFT BLVD  
RICHLAND, WA 99352  
Medicare Provider Number: 500058

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 928                | 9.3                 | 9.7  | 1.0   | 13.8    | 14.1 | 1.2   | 17.6     | 17.4 | 1.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 40                 | 27.5                | 27.6 | ----- | 32.5    | 30.3 | ----- | 35.0     | 33.1 | ----- |
| Congestive Heart Failure.....              | 43                 | 11.6                | 14.1 | ----- | 23.3    | 22.0 | ----- | 25.6     | 28.4 | ----- |
| Pneumonia/Influenza.....                   | 23                 | 4.3                 | 11.1 | ----- | 13.0    | 14.9 | ----- | 13.0     | 18.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 17                 | 23.5                | 8.2  | ----- | 23.5    | 14.4 | ----- | 35.3     | 18.9 | ----- |
| Transient Cerebral Ischemia.....           | 9                  | 0.0                 | 1.7  | ----- | 11.1    | 3.7  | ----- | 11.1     | 5.8  | ----- |
| Stroke.....                                | 51                 | 23.5                | 25.3 | 6.3   | 29.4    | 30.4 | 7.2   | 37.3     | 34.2 | 8.4   |
| Hip Fracture.....                          | 16                 | 12.5                | 7.1  | ----- | 18.8    | 12.8 | ----- | 18.8     | 16.9 | ----- |
| Sepsis.....                                | 6                  | 0.0                 | 24.2 | ----- | 16.7    | 32.2 | ----- | 16.7     | 36.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 11                 | 9.1                 | 1.9  | ----- | 9.1     | 4.2  | ----- | 9.1      | 6.5  | ----- |
| Carotid Endarterectomy.....                | 8                  | 0.0                 | 1.0  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.7  | ----- |
| Hip Replacement/Reconstruction.....        | 24                 | 0.0                 | 3.2  | ----- | 0.0     | 5.8  | ----- | 0.0      | 7.7  | ----- |
| Open Reduction of Hip Fracture.....        | 4                  | 25.0                | 2.9  | ----- | 25.0    | 5.7  | ----- | 25.0     | 8.0  | ----- |
| Prostatectomy.....                         | 36                 | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.1  | ----- |
| Cholecystectomy.....                       | 28                 | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.0  | ----- |
| Hysterectomy.....                          | 19                 | 0.0                 | 0.9  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KADLEC MEDICAL CENTER

Medicare Provider Number: 500058

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.4 years  
Proportion female..... 55.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.3 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 30.1 %  
Admitted for emergency..... 47.4 %

### COMORBIDITIES:

Cancer..... 10.7 %  
Chronic cardiovascular disease..... 30.4 %  
Chronic liver disease..... 0.4 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 14.9 %  
Cerebrovascular degeneration..... 2.8 %  
Diabetes mellitus..... 9.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.8%  
State ..... 14.3%  
Outside State ..... 5.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 144  
Occupancy Rate ..... 41.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 28.1 %  
Case Mix Index (CMI) ..... 1.2513

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 152  
Licensed Practical Nurses ..... 20

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# KENNEWICK GENERAL HOSPITAL

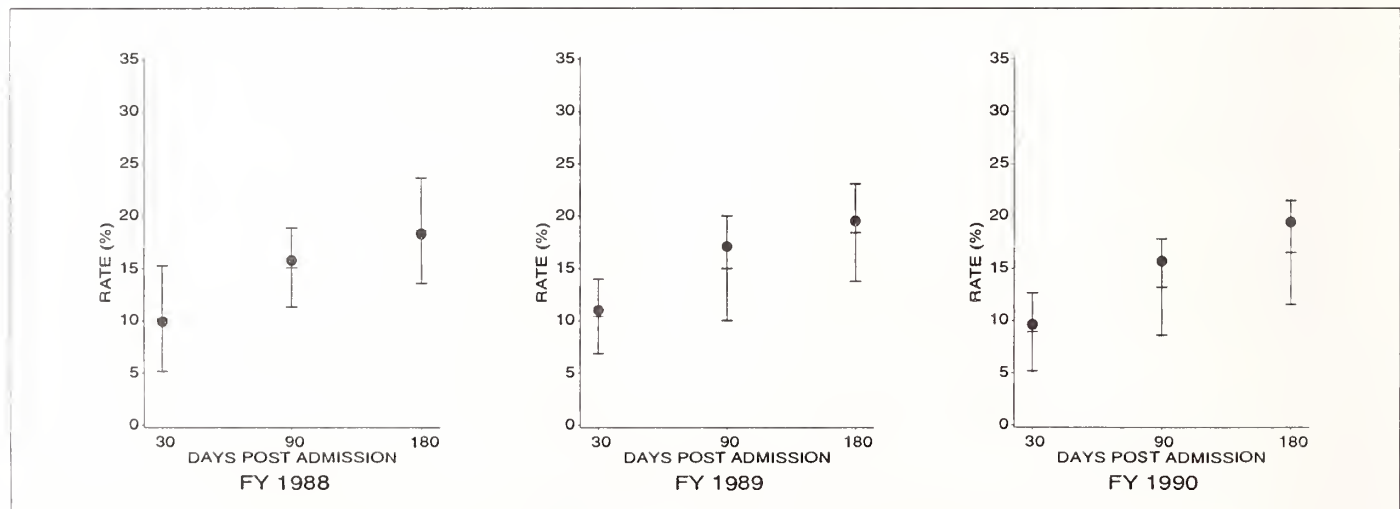
900 SOUTH AUBURN ST  
KENNEWICK, WA 99336  
Medicare Provider Number: 500053

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 581             | 9.6                 | 8.9  | 1.9   | 15.7    | 13.2 | 2.3   | 19.4     | 16.5 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 19              | 10.5                | 23.2 | ----- | 15.8    | 26.5 | ----- | 15.8     | 29.5 | ----- |
| Congestive Heart Failure.....              | 28              | 21.4                | 17.4 | ----- | 35.7    | 25.5 | ----- | 39.3     | 32.0 | ----- |
| Pneumonia/Influenza.....                   | 26              | 11.5                | 12.6 | ----- | 19.2    | 17.4 | ----- | 19.2     | 20.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 0.0                 | 4.7  | ----- | 0.0     | 8.4  | ----- | 0.0      | 11.8 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.5  | ----- | 0.0     | 3.5  | ----- | 25.0     | 5.7  | ----- |
| Stroke.....                                | 28              | 21.4                | 22.2 | ----- | 32.1    | 28.9 | ----- | 32.1     | 32.6 | ----- |
| Hip Fracture.....                          | 27              | 0.0                 | 6.7  | ----- | 3.7     | 11.6 | ----- | 3.7      | 14.9 | ----- |
| Sepsis.....                                | 7               | 71.4                | 28.9 | ----- | 85.7    | 35.5 | ----- | 85.7     | 41.2 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 3.3  | ----- | 0.0     | 6.1  | ----- | 0.0      | 9.0  | ----- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 0.9  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.4  | ----- |
| Hip Replacement/Reconstruction.....        | 19              | 0.0                 | 3.6  | ----- | 5.3     | 6.6  | ----- | 5.3      | 8.7  | ----- |
| Open Reduction of Hip Fracture.....        | 14              | 0.0                 | 5.9  | ----- | 0.0     | 10.4 | ----- | 0.0      | 13.6 | ----- |
| Prostatectomy.....                         | 31              | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.3  | ----- |
| Cholecystectomy.....                       | 19              | 0.0                 | 1.2  | ----- | 0.0     | 2.2  | ----- | 0.0      | 2.9  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 25.0     | 1.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KENNEWICK GENERAL HOSPITAL

Medicare Provider Number: 500053

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.1 years |
| Proportion female.....        | 55.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 45.3 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 16.4 % |
| Admitted for emergency.....                    | 58.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.5 %  |
| Chronic cardiovascular disease..... | 33.9 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 0.7 %  |
| Chronic pulmonary disease.....      | 13.8 % |
| Cerebrovascular degeneration.....   | 3.6 %  |
| Diabetes mellitus.....              | 7.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 83.1%  |
| State .....         | 13.0%  |
| Outside State ..... | 3.9%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.2 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 70                 |
| Occupancy Rate .....       | 45.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 25.7 %             |
| Case Mix Index (CMI) ..... | 1.2321             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 65     |
| Percent of Physicians Board<br>Certified Specialists ..... | 66.2 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 78     |
| Licensed Practical Nurses.....                             | 11     |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit .....                      | No  |
| Cardiac Intensive Care .....         | No  |
| Comprehensive Geriatric .....        | No  |
| Hospice Care .....                   | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant .....        | No  |
| Other Intensive Care .....           | No  |
| Trauma Center .....                  | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric.....          | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates



# KITTITAS VALLEY COMMUNITY HOSPITAL

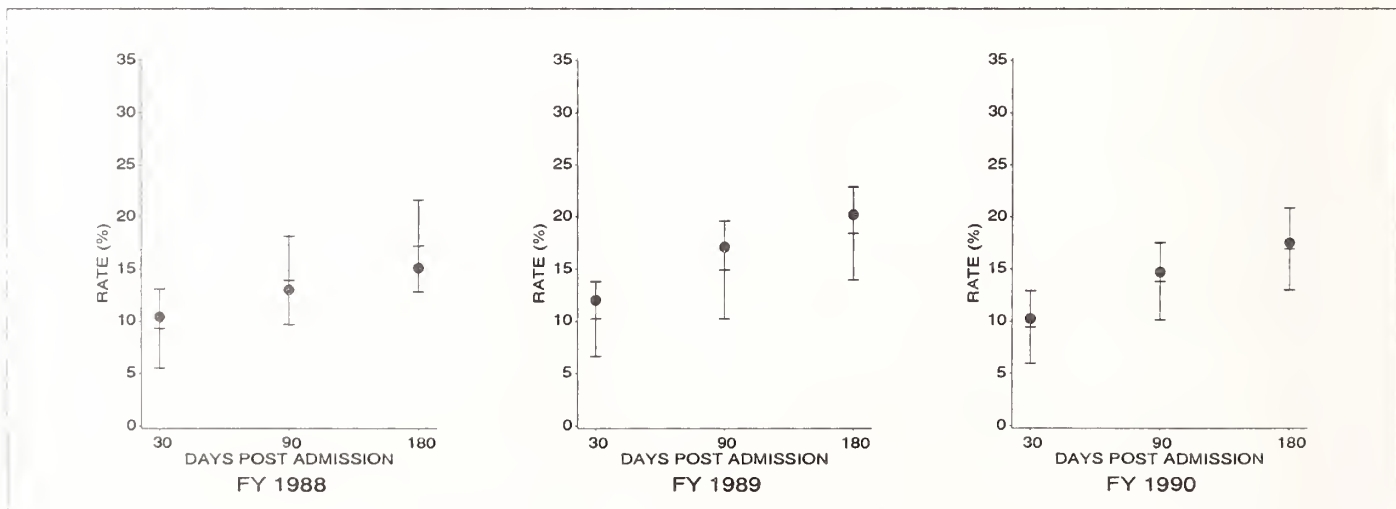
603 S CHESTNUT  
ELLENSBURG, WA 98926  
Medicare Provider Number: 500110

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 394             | 10.2                | 9.4  | 1.7   | 14.7    | 13.8 | 1.9   | 17.5     | 16.9 | 2.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 22.2                | 28.3 | ----- | 27.8    | 30.7 | ----- | 27.8     | 33.0 | ----- |
| Congestive Heart Failure.....              | 20              | 5.0                 | 16.9 | ----- | 25.0    | 24.5 | ----- | 30.0     | 30.5 | ----- |
| Pneumonia/Influenza.....                   | 21              | 14.3                | 15.0 | ----- | 14.3    | 20.4 | ----- | 19.0     | 23.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 12              | 8.3                 | 9.4  | ----- | 8.3     | 16.5 | ----- | 16.7     | 21.2 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 2.0  | ----- | 0.0     | 4.5  | ----- | 0.0      | 7.6  | ----- |
| Stroke.....                                | 18              | 27.8                | 14.9 | ----- | 27.8    | 22.0 | ----- | 33.3     | 25.6 | ----- |
| Hip Fracture.....                          | 21              | 14.3                | 5.5  | ----- | 28.6    | 9.9  | ----- | 33.3     | 12.6 | ----- |
| Sepsis.....                                | 6               | 16.7                | 45.1 | ----- | 16.7    | 54.4 | ----- | 16.7     | 58.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.1  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 15              | 13.3                | 3.8  | ----- | 13.3    | 7.1  | ----- | 13.3     | 9.3  | ----- |
| Open Reduction of Hip Fracture.....        | 9               | 11.1                | 4.5  | ----- | 33.3    | 8.0  | ----- | 44.4     | 10.4 | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 14              | 0.0                 | 1.5  | ----- | 0.0     | 2.8  | ----- | 0.0      | 3.9  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KITTITAS VALLEY COMMUNITY HOSPITAL

Medicare Provider Number: 500110

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.1 years |
| Proportion female.....        | 59.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 47.7 % |
| Transferred from skilled nursing facility..... | 0.3 %  |
| Admitted for elective procedure.....           | 0.0 %  |
| Admitted for emergency.....                    | 68.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.1 %  |
| Chronic cardiovascular disease..... | 31.2 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 10.7 % |
| Cerebrovascular degeneration.....   | 4.1 %  |
| Diabetes mellitus.....              | 6.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 86.5%  |
| State .....         | 11.0%  |
| Outside State ..... | 2.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.3 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 41                 |
| Occupancy Rate .....       | 31.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 40.4 %             |
| Case Mix Index (CMI) ..... | 1.2217             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 17     |
| Percent of Physicians Board<br>Certified Specialists ..... | 82.4 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 46     |
| Licensed Practical Nurses .....                            | 3      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# KLICKITAT VALLEY HOSPITAL

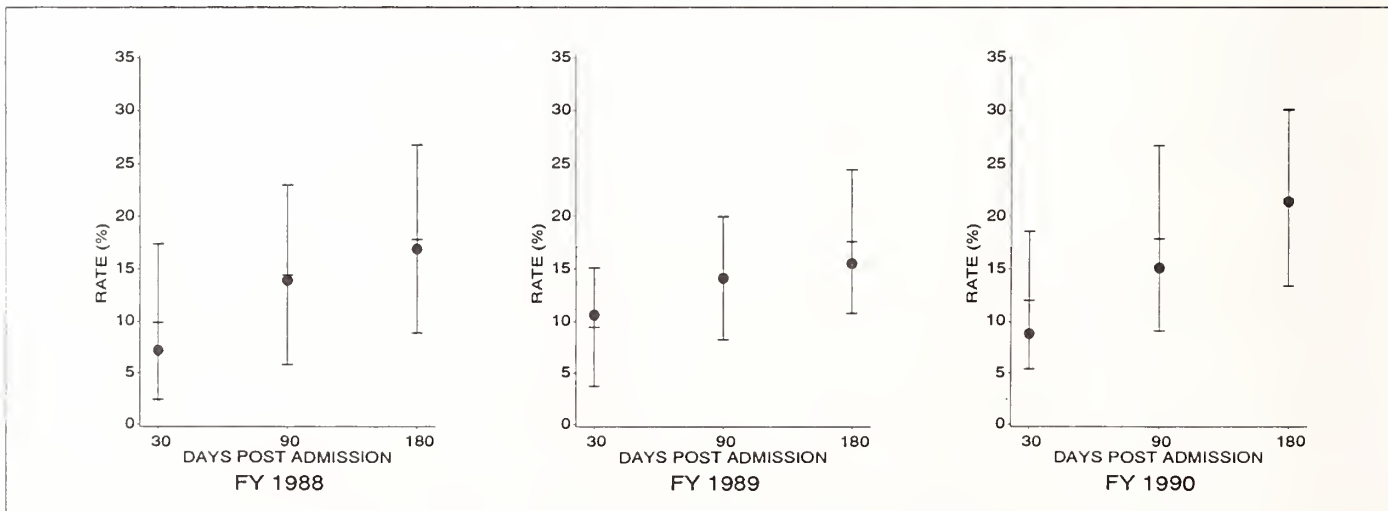
ROOSEVELT & A STS  
GOLDENDALE, WA 98620  
Medicare Provider Number: 500085

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 159             | 8.8                 | 12.0 | 3.3   | 15.1    | 17.9 | 4.4   | 21.4     | 21.7 | 4.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 16.7                | 30.0 | ----- | 16.7    | 35.6 | ----- | 16.7     | 39.2 | ----- |
| Congestive Heart Failure.....              | 15              | 20.0                | 18.4 | ----- | 20.0    | 29.1 | ----- | 26.7     | 36.3 | ----- |
| Pneumonia/Influenza.....                   | 22              | 4.5                 | 19.3 | ----- | 18.2    | 27.4 | ----- | 27.3     | 32.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.6  | ----- | 0.0     | 4.1  | ----- | 0.0      | 7.1  | ----- |
| Stroke.....                                | 3               | 0.0                 | 15.6 | ----- | 0.0     | 19.7 | ----- | 0.0      | 22.8 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 0.0                 | 13.5 | ----- | 0.0     | 16.5 | ----- | 0.0      | 18.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 3               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.3  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 4.0  | ----- | 0.0     | 8.2  | ----- | 0.0      | 11.0 | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.0  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# KLICKITAT VALLEY HOSPITAL

Medicare Provider Number: 500085

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.9 years |
| Proportion female.....        | 52.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 44.0 % |
| Transferred from skilled nursing facility..... | 13.8 % |
| Admitted for elective procedure.....           | 8.2 %  |
| Admitted for emergency.....                    | 33.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.3 %  |
| Chronic cardiovascular disease..... | 32.1 % |
| Chronic liver disease.....          | 0.6 %  |
| Chronic renal disease.....          | 4.4 %  |
| Chronic pulmonary disease.....      | 21.4 % |
| Cerebrovascular degeneration.....   | 3.8 %  |
| Diabetes mellitus.....              | 8.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 91.1%  |
| State .....         | 3.1%   |
| Outside State ..... | 5.8%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 3.8 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 31                 |
| Occupancy Rate .....       | 19.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 35.2 %             |
| Case Mix Index (CMI) ..... | 1.0223             |

### STAFFING:

|                                                            |         |
|------------------------------------------------------------|---------|
| Total Number of Physicians.....                            | 11      |
| Percent of Physicians Board<br>Certified Specialists ..... | 100.0 % |
| Medical Residents/Interns .....                            | 0       |
| Registered Nurses.....                                     | 0       |
| Licensed Practical Nurses .....                            | 0       |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit .....                      | No  |
| Cardiac Intensive Care .....         | No  |
| Comprehensive Geriatric .....        | No  |
| Hospice Care .....                   | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant .....        | No  |
| Other Intensive Care .....           | No  |
| Trauma Center .....                  | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# LAKE CHELAN COMMUNITY HOSPITAL

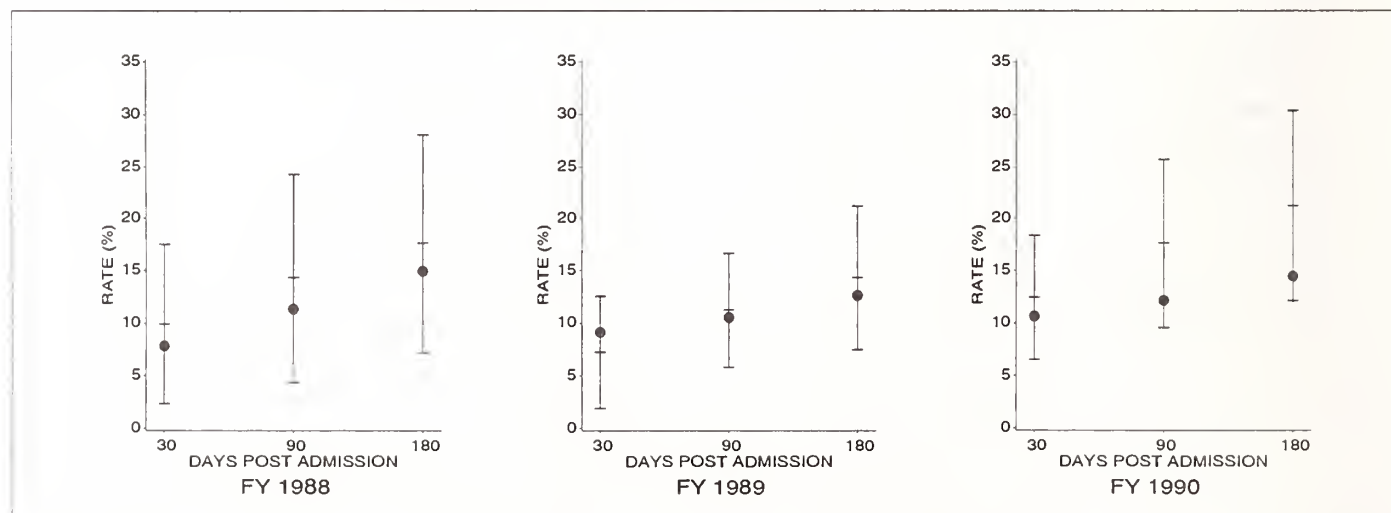
503 E HIGHLAND  
CHELAN, WA 98816  
Medicare Provider Number: 500092

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 132             | 10.6                | 12.4 | 3.0   | 12.1    | 17.6 | 4.0   | 14.4     | 21.2 | 4.6   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 20.0                | 22.6 | ----- | 20.0    | 25.3 | ----- | 20.0     | 28.5 | ----- |
| Congestive Heart Failure.....              | 5               | 0.0                 | 13.7 | ----- | 0.0     | 21.3 | ----- | 0.0      | 26.4 | ----- |
| Pneumonia/Influenza.....                   | 6               | 0.0                 | 16.3 | ----- | 0.0     | 21.8 | ----- | 0.0      | 25.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 7.9  | ----- | 0.0     | 15.1 | ----- | 33.3     | 22.3 | ----- |
| Transient Cerebral Ischemia.....           | 1               | 0.0                 | 0.7  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.8  | ----- |
| Stroke.....                                | 6               | 16.7                | 21.0 | ----- | 16.7    | 25.8 | ----- | 16.7     | 29.3 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 10.4 | ----- | 0.0     | 17.7 | ----- | 0.0      | 21.1 | ----- |
| Sepsis.....                                | 3               | 33.3                | 38.0 | ----- | 33.3    | 46.5 | ----- | 33.3     | 50.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 1               | 0.0                 | 12.0 | ----- | 0.0     | 24.3 | ----- | 0.0      | 32.5 | ----- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 3               | 0.0                 | 9.3  | ----- | 0.0     | 16.5 | ----- | 0.0      | 19.9 | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# LAKE CHELAN COMMUNITY HOSPITAL

Medicare Provider Number: 500092

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.2 years  
Proportion female..... 56.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 95.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 76.5 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 42.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 2.3 %  
Chronic pulmonary disease..... 16.7 %  
Cerebrovascular degeneration..... 6.8 %  
Diabetes mellitus..... 2.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.4%  
State ..... 10.6%  
Outside State ..... 2.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.9 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 32  
Occupancy Rate ..... 43.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.1820

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 20  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

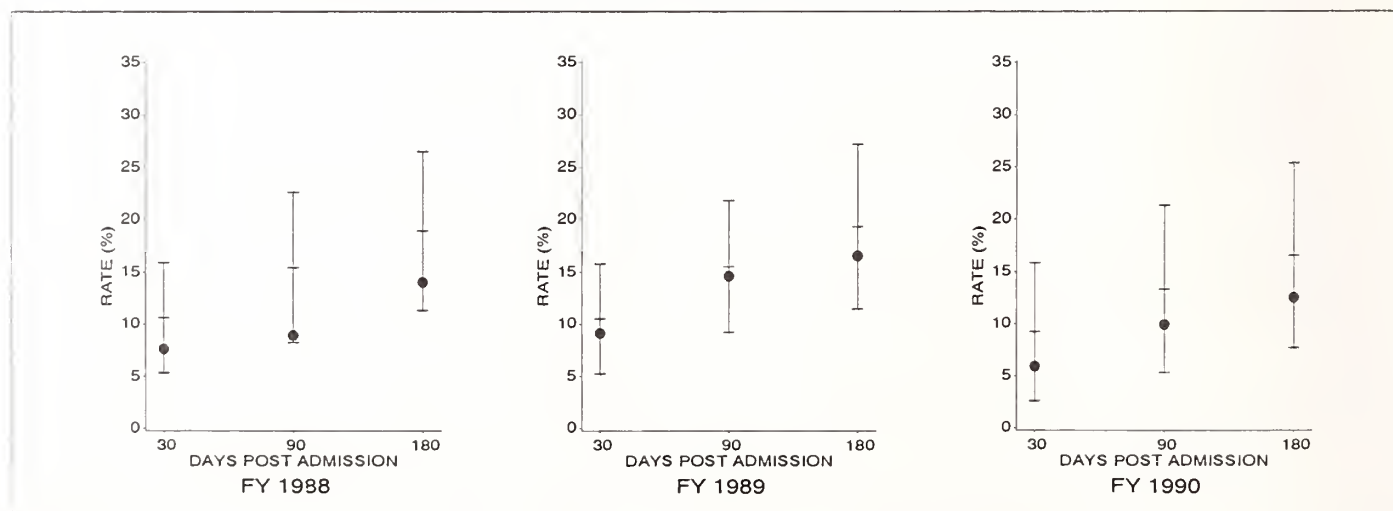
**LINCOLN HOSPITAL**  
 10 NICHOLS STREET  
 DAVENPORT, WA 99122  
 Medicare Provider Number: 500089

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 152                | 5.9                 | 9.2  | 3.3   | 9.9     | 13.3 | 4.0   | 12.5     | 16.5 | 4.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 0.0                 | 27.9 | ----- | 0.0     | 31.3 | ----- | 20.0     | 35.2 | ----- |
| Congestive Heart Failure.....              | 9                  | 0.0                 | 15.5 | ----- | 0.0     | 24.1 | ----- | 0.0      | 30.4 | ----- |
| Pneumonia/Influenza.....                   | 17                 | 5.9                 | 15.4 | ----- | 5.9     | 21.1 | ----- | 5.9      | 24.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 7.5  | ----- | 0.0     | 14.5 | ----- | 0.0      | 20.6 | ----- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.4  | ----- | 33.3    | 3.5  | ----- | 33.3     | 6.0  | ----- |
| Stroke.....                                | 4                  | 25.0                | 24.8 | ----- | 50.0    | 35.6 | ----- | 50.0     | 42.6 | ----- |
| Hip Fracture.....                          | 2                  | 0.0                 | 4.0  | ----- | 0.0     | 7.5  | ----- | 0.0      | 9.8  | ----- |
| Sepsis.....                                | 1                  | 0.0                 | 32.4 | ----- | 0.0     | 36.5 | ----- | 0.0      | 42.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 2                  | 0.0                 | 3.6  | ----- | 0.0     | 6.9  | ----- | 0.0      | 9.3  | ----- |
| Prostatectomy.....                         | 5                  | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.6  | ----- |
| Cholecystectomy.....                       | 5                  | 0.0                 | 3.9  | ----- | 20.0    | 9.1  | ----- | 20.0     | 13.4 | ----- |
| Hysterectomy.....                          | 2                  | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# LINCOLN HOSPITAL

Medicare Provider Number: 500089

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.1 years |
| Proportion female.....        | 53.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 53.3 % |
| Transferred from skilled nursing facility..... | 4.6 %  |
| Admitted for elective procedure.....           | 11.2 % |
| Admitted for emergency.....                    | 20.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.6 %  |
| Chronic cardiovascular disease..... | 23.7 % |
| Chronic liver disease.....          | 1.3 %  |
| Chronic renal disease.....          | 2.6 %  |
| Chronic pulmonary disease.....      | 13.8 % |
| Cerebrovascular degeneration.....   | 4.6 %  |
| Diabetes mellitus.....              | 5.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |         |
|---------------------|---------|
| County/City .....   | 72.1 %  |
| State .....         | 27.4 %  |
| Outside State ..... | 0.5 %   |
| Total .....         | 100.0 % |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 95                 |
| Occupancy Rate .....       | 77.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | (Not Available)    |
| Case Mix Index (CMI) ..... | 0.9775             |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses .....                            | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MADIGAN GENERAL HOSPITAL

TACOMA, WA 98431  
Medicare Provider Number: 50005F

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1                  | 0.0                 | 23.8 | ----- | 0.0     | 30.9 | ----- | 0.0      | 33.8 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# MADIGAN GENERAL HOSPITAL

Medicare Provider Number: 50005F

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.0 years  
Proportion female..... 100.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 0.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 0.0%  
State ..... 100.0%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 2.0 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year Unknown

### PROFILE:

Total Beds ..... 560  
Ownership/Control..... (Not Available)  
Case Mix Index (CMI) ..... 0.0000

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 0  
Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Coronary Care Unit ..... Yes  
Hospice Care ..... Yes  
Intensive Care Unit ..... Yes  
Organ Transplant ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... N/A

\*\* Except for CMI

\* Not used in calculating mortality rates



# MARK REED HOSPITAL

322 S BIRCH, BOX 28  
MC CLEARY, WA 98557  
Medicare Provider Number: 500061

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 58                 | 22.4                | 12.8 | 7.0   | 34.5    | 19.2 | 7.9   | 36.2     | 23.9 | 9.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1                  | 0.0                 | 16.5 | ----- | 0.0     | 20.4 | ----- | 0.0      | 25.3 | ----- |
| Congestive Heart Failure.....              | 8                  | 25.0                | 15.1 | ----- | 50.0    | 23.3 | ----- | 50.0     | 29.9 | ----- |
| Pneumonia/Influenza.....                   | 19                 | 31.6                | 18.4 | ----- | 52.6    | 26.5 | ----- | 52.6     | 31.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 2.4  | ----- | 0.0     | 4.9  | ----- | 0.0      | 7.5  | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 4                  | 50.0                | 21.6 | ----- | 50.0    | 31.7 | ----- | 50.0     | 38.2 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# MARK REED HOSPITAL

Medicare Provider Number: 500061

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 78.7 years

Proportion female..... 50.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 37.9 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 37.9 %

Admitted for emergency..... 60.3 %

### COMORBIDITIES:

Cancer..... 5.2 %

Chronic cardiovascular disease..... 32.8 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 3.4 %

Chronic pulmonary disease..... 39.7 %

Cerebrovascular degeneration..... 13.8 %

Diabetes mellitus..... 10.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 83.1%

State ..... 15.6%

Outside State ..... 1.3%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.9 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 9

Occupancy Rate ..... 9.1 %

Ownership/Control..... District/Authority

Medicare Discharges ..... 79.0 %

Case Mix Index (CMI) ..... 1.0186

### STAFFING:

Total Number of Physicians..... 3

Percent of Physicians Board  
Certified Specialists ..... (Not Available)

Medical Residents/Interns ..... 0

Registered Nurses..... 14

Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MASON GENERAL HOSPITAL

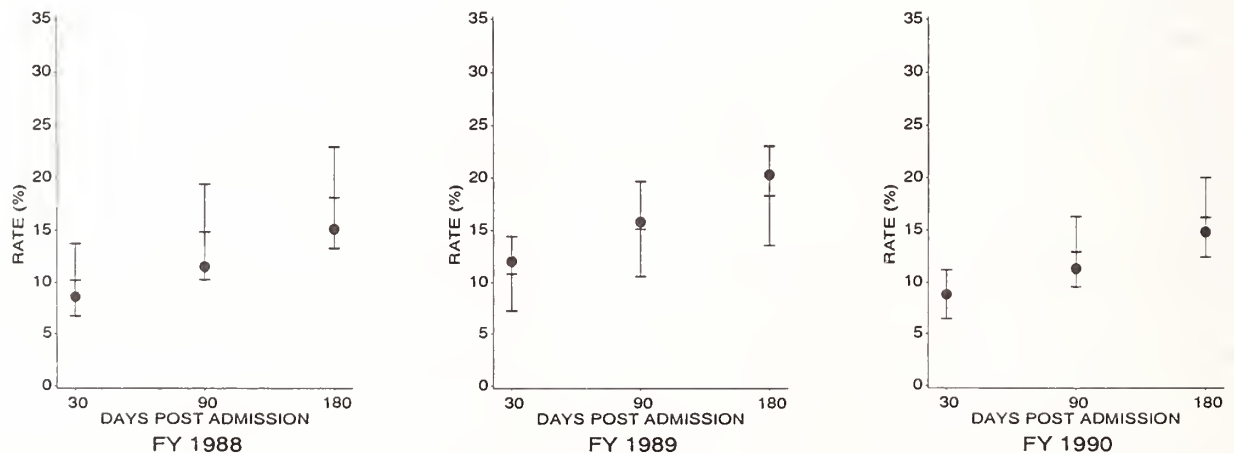
2100 SHERWOOD LANE  
SHELTON, WA 98584  
Medicare Provider Number: 500118

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 593             | 8.8                 | 8.8  | 1.2  | 11.3    | 12.9 | 1.7  | 14.8     | 16.2 | 1.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 26              | 7.7                 | 25.8 | ---- | 11.5    | 27.7 | ---- | 15.4     | 29.7 | ---- |
| Congestive Heart Failure.....              | 36              | 11.1                | 14.0 | ---- | 11.1    | 21.2 | ---- | 16.7     | 27.3 | ---- |
| Pneumonia/Influenza.....                   | 35              | 20.0                | 15.6 | ---- | 25.7    | 22.3 | ---- | 28.6     | 26.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 0.0                 | 5.3  | ---- | 0.0     | 9.2  | ---- | 14.3     | 12.6 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 2.7  | ---- | 0.0     | 5.8  | ---- | 0.0      | 9.3  | ---- |
| Stroke.....                                | 18              | 5.6                 | 19.8 | ---- | 11.1    | 24.7 | ---- | 11.1     | 28.2 | ---- |
| Hip Fracture.....                          | 16              | 6.3                 | 4.9  | ---- | 12.5    | 9.3  | ---- | 18.8     | 12.4 | ---- |
| Sepsis.....                                | 7               | 14.3                | 19.8 | ---- | 14.3    | 29.1 | ---- | 28.6     | 33.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 8               | 12.5                | 2.5  | ---- | 12.5    | 4.6  | ---- | 12.5     | 6.9  | ---- |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 14              | 0.0                 | 1.3  | ---- | 7.1     | 2.5  | ---- | 7.1      | 3.6  | ---- |
| Open Reduction of Hip Fracture.....        | 6               | 16.7                | 5.0  | ---- | 16.7    | 9.7  | ---- | 33.3     | 13.1 | ---- |
| Prostatectomy.....                         | 24              | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.5  | ---- |
| Cholecystectomy.....                       | 8               | 0.0                 | 0.9  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.8  | ---- |
| Hysterectomy.....                          | 10              | 0.0                 | 0.6  | ---- | 0.0     | 1.4  | ---- | 0.0      | 2.4  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MASON GENERAL HOSPITAL

Medicare Provider Number: 500118

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.0 years |
| Proportion female.....        | 56.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 40.1 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 34.1 % |
| Admitted for emergency.....                    | 59.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.9 %  |
| Chronic cardiovascular disease..... | 41.1 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 1.5 %  |
| Chronic pulmonary disease.....      | 12.0 % |
| Cerebrovascular degeneration.....   | 4.9 %  |
| Diabetes mellitus.....              | 4.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 84.2%  |
| State .....         | 13.3%  |
| Outside State ..... | 2.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.9 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 50                 |
| Occupancy Rate .....       | 40.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | (Not Available)    |
| Case Mix Index (CMI) ..... | 1.1337             |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses.....                             | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL ODESSA

502 E AMENDE  
ODESSA, WA 99159  
Medicare Provider Number: 500080

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 19                 | 5.3                 | 13.6 | ----- | 10.5    | 18.9 | ----- | 21.1     | 23.0 | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1                  | 0.0                 | 50.5 | ----- | 0.0     | 54.0 | ----- | 0.0      | 58.7 | ----- |
| Congestive Heart Failure.....              | 3                  | 0.0                 | 13.0 | ----- | 0.0     | 20.0 | ----- | 66.7     | 24.5 | ----- |
| Pneumonia/Influenza.....                   | 2                  | 0.0                 | 8.9  | ----- | 0.0     | 11.8 | ----- | 0.0      | 15.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 1                  | 0.0                 | 3.8  | ----- | 0.0     | 6.4  | ----- | 0.0      | 9.5  | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 2                  | 50.0                | 26.0 | ----- | 50.0    | 33.8 | ----- | 50.0     | 39.3 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)



# MEMORIAL HOSPITAL ODESSA

Medicare Provider Number: 500080

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 80.0 years

Proportion female..... 73.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 5.3 %

Chronic cardiovascular disease..... 52.6 %

Chronic liver disease..... 0.0 %

Chronic renal disease..... 0.0 %

Chronic pulmonary disease..... 5.3 %

Cerebrovascular degeneration..... 0.0 %

Diabetes mellitus..... 5.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 80.0%

State ..... 20.0%

Outside State ..... 0.0%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 44

Ownership/Control..... District/Authority

Case Mix Index (CMI) ..... 1.0329

### STAFFING:

Medical Residents/Interns ..... 0

Registered Nurses..... 7

Licensed Practical Nurses ..... 1

### SPECIALTY SERVICES:

Burn Unit ..... No

Coronary Care Unit ..... No

Hospice Care ..... Yes

Intensive Care Unit ..... Yes

Organ Transplant ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... Yes

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MEMORIAL HOSPITAL PULLMAN

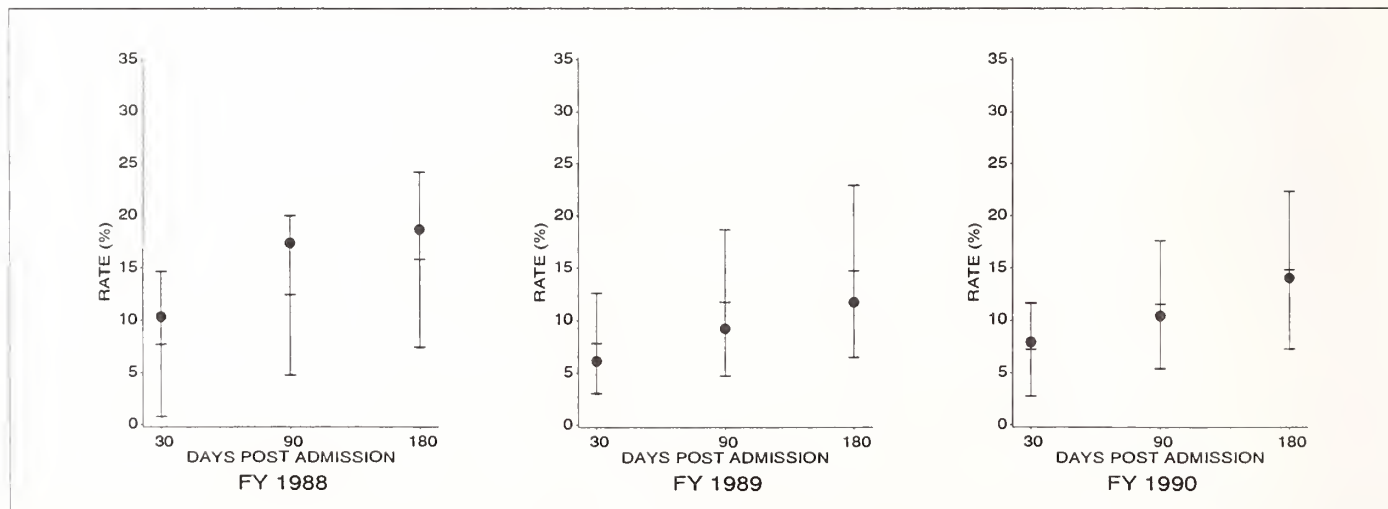
WASHINGTON AVE  
PULLMAN, WA 99163  
Medicare Provider Number: 500065

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 164             | 7.9                 | 7.2  | 2.2   | 10.4    | 11.5 | 3.1   | 14.0     | 14.8 | 3.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4               | 25.0                | 22.8 | ----- | 25.0    | 25.0 | ----- | 25.0     | 27.4 | ----- |
| Congestive Heart Failure.....              | 8               | 0.0                 | 11.2 | ----- | 0.0     | 18.2 | ----- | 12.5     | 24.1 | ----- |
| Pneumonia/Influenza.....                   | 8               | 0.0                 | 16.1 | ----- | 12.5    | 24.8 | ----- | 25.0     | 30.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 50.0                | 7.0  | ----- | 50.0    | 12.2 | ----- | 75.0     | 16.3 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 2.4  | ----- | 0.0     | 5.5  | ----- | 0.0      | 9.3  | ----- |
| Stroke.....                                | 5               | 60.0                | 10.6 | ----- | 60.0    | 15.4 | ----- | 60.0     | 19.1 | ----- |
| Hip Fracture.....                          | 5               | 0.0                 | 5.1  | ----- | 0.0     | 10.4 | ----- | 20.0     | 14.3 | ----- |
| Sepsis.....                                | 2               | 0.0                 | 28.1 | ----- | 0.0     | 33.5 | ----- | 0.0      | 38.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 0.9  | ----- | 0.0     | 1.8  | ----- | 100.0    | 2.9  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 5               | 0.0                 | 3.6  | ----- | 0.0     | 7.5  | ----- | 0.0      | 10.5 | ----- |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 5.9  | ----- | 0.0     | 12.8 | ----- | 100.0    | 18.0 | ----- |
| Prostatectomy.....                         | 5               | 0.0                 | 0.8  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.6  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 0.5  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MEMORIAL HOSPITAL PULLMAN

Medicare Provider Number: 500065

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years  
Proportion female..... 63.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 99.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.6 %  
Admitted for emergency..... 22.6 %

### COMORBIDITIES:

Cancer..... 6.1 %  
Chronic cardiovascular disease..... 31.7 %  
Chronic liver disease..... 1.8 %  
Chronic renal disease..... 1.2 %  
Chronic pulmonary disease..... 18.9 %  
Cerebrovascular degeneration..... 5.5 %  
Diabetes mellitus..... 6.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 78.3%  
State..... 4.5%  
Outside State..... 17.2%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.5 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 42  
Occupancy Rate..... 26.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 20.8 %  
Case Mix Index (CMI)..... 1.1539

### STAFFING:

Total Number of Physicians..... 44  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... 0  
Registered Nurses..... 44  
Licensed Practical Nurses..... 2

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... No  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# MID-VALLEY HOSPITAL

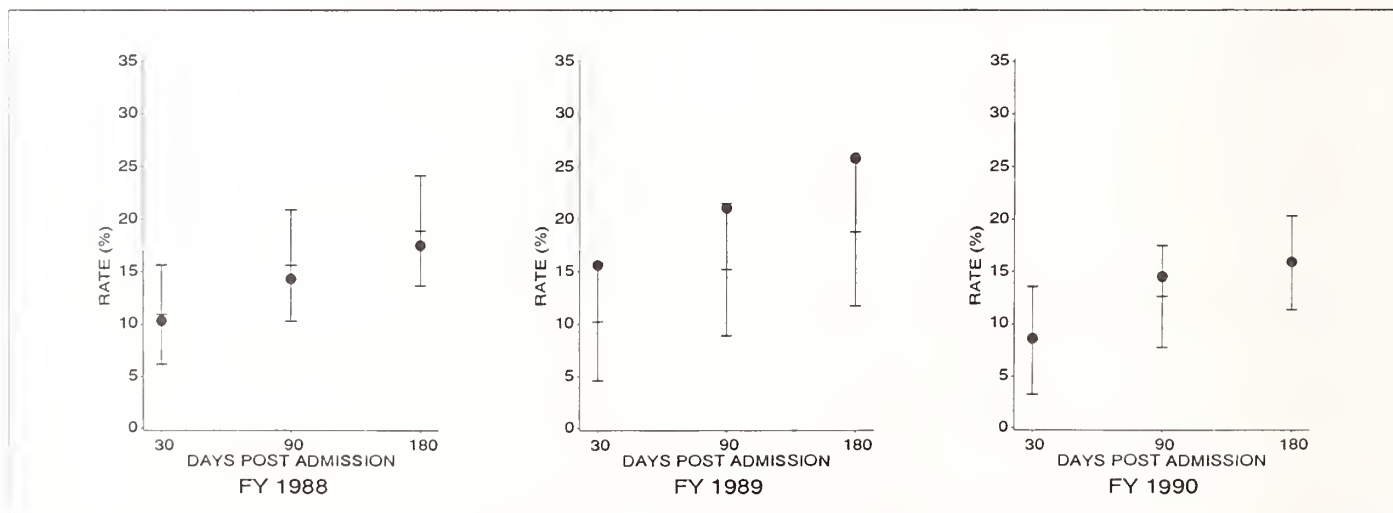
810 VALLEY WAY  
OMAK, WA 98841  
Medicare Provider Number: 500071

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 290                | 8.6                 | 8.4  | 2.6   | 14.5    | 12.6 | 2.4   | 15.9     | 15.8 | 2.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11                 | 45.5                | 23.4 | ----- | 45.5    | 26.6 | ----- | 45.5     | 29.6 | ----- |
| Congestive Heart Failure.....              | 18                 | 5.6                 | 12.0 | ----- | 27.8    | 19.2 | ----- | 27.8     | 25.2 | ----- |
| Pneumonia/Influenza.....                   | 20                 | 10.0                | 12.3 | ----- | 10.0    | 17.9 | ----- | 10.0     | 21.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4                  | 0.0                 | 8.0  | ----- | 0.0     | 13.4 | ----- | 0.0      | 17.4 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 2.0  | ----- | 0.0     | 4.5  | ----- | 0.0      | 7.2  | ----- |
| Stroke.....                                | 13                 | 15.4                | 18.8 | ----- | 23.1    | 23.7 | ----- | 23.1     | 26.9 | ----- |
| Hip Fracture.....                          | 10                 | 20.0                | 6.7  | ----- | 30.0    | 11.7 | ----- | 40.0     | 14.8 | ----- |
| Sepsis.....                                | 2                  | 50.0                | 35.1 | ----- | 50.0    | 39.9 | ----- | 50.0     | 43.4 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 15                 | 13.3                | 2.0  | ----- | 13.3    | 3.7  | ----- | 13.3     | 4.9  | ----- |
| Open Reduction of Hip Fracture.....        | 6                  | 16.7                | 7.7  | ----- | 33.3    | 13.4 | ----- | 50.0     | 16.9 | ----- |
| Prostatectomy.....                         | 9                  | 0.0                 | 0.6  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.7  | ----- |
| Cholecystectomy.....                       | 12                 | 0.0                 | 1.9  | ----- | 0.0     | 3.4  | ----- | 0.0      | 4.6  | ----- |
| Hysterectomy.....                          | 5                  | 0.0                 | 0.2  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MID-VALLEY HOSPITAL

Medicare Provider Number: 500071

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.3 years

Proportion female..... 56.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.3 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 19.0 %

Admitted for emergency..... 1.0 %

### COMORBIDITIES:

Cancer..... 6.6 %

Chronic cardiovascular disease..... 33.1 %

Chronic liver disease..... 0.3 %

Chronic renal disease..... 1.7 %

Chronic pulmonary disease..... 17.6 %

Cerebrovascular degeneration..... 5.2 %

Diabetes mellitus..... 8.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 89.4%

State ..... 8.9%

Outside State ..... 1.7%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.4 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 44

Occupancy Rate ..... 31.0 %

Ownership/Control..... District/Authority

Medicare Discharges ..... 30.4 %

Case Mix Index (CMI) ..... 1.3166

### STAFFING:

Total Number of Physicians..... 20

Percent of Physicians Board  
Certified Specialists..... 80.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 23

Licensed Practical Nurses ..... 11

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# MORTON GENERAL HOSPITAL

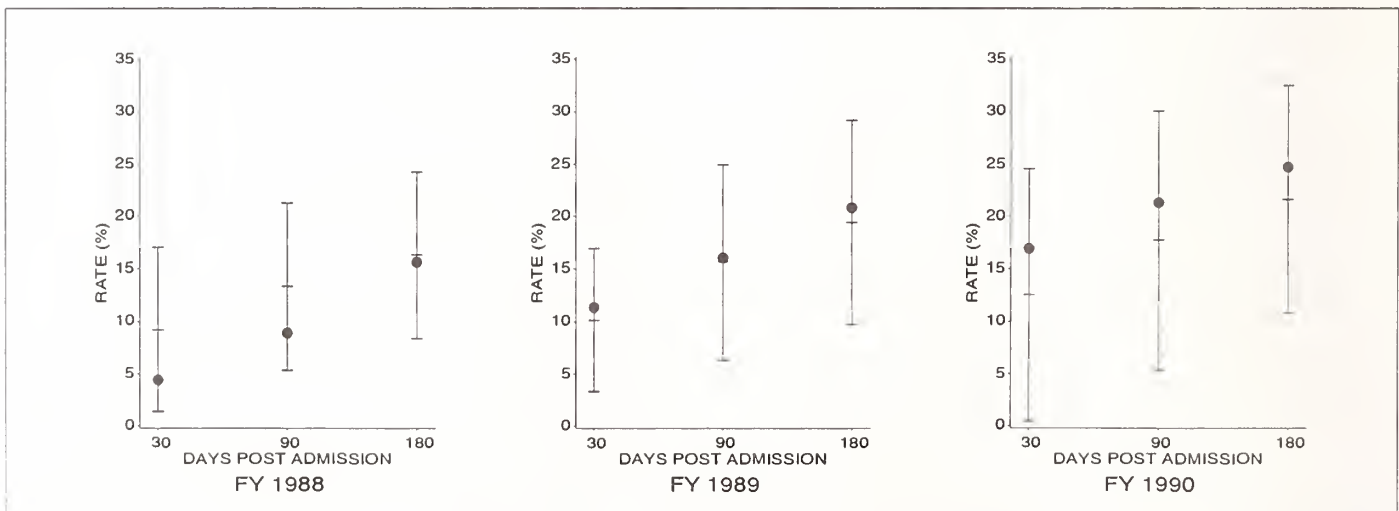
FIFTH & ADAMS  
MORTON, WA 98356  
Medicare Provider Number: 500073

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 89                 | 16.9                | 12.5 | 6.0   | 21.3    | 17.7 | 6.2   | 24.7     | 21.6 | 5.4   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 80.0                | 37.1 | ----- | 80.0    | 40.5 | ----- | 80.0     | 44.3 | ----- |
| Congestive Heart Failure.....              | 5                  | 40.0                | 13.7 | ----- | 40.0    | 21.5 | ----- | 40.0     | 28.1 | ----- |
| Pneumonia/Influenza.....                   | 11                 | 36.4                | 16.0 | ----- | 45.5    | 21.9 | ----- | 54.5     | 25.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 6.6  | ----- | 20.0    | 12.4 | ----- | 20.0     | 17.7 | ----- |
| Transient Cerebral Ischemia.....           | 1                  | 0.0                 | 0.9  | ----- | 0.0     | 2.2  | ----- | 0.0      | 4.0  | ----- |
| Stroke.....                                | 6                  | 0.0                 | 18.8 | ----- | 0.0     | 23.3 | ----- | 16.7     | 26.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 18.5 | ----- | 0.0     | 25.9 | ----- | 0.0      | 29.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.5  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# MORTON GENERAL HOSPITAL

Medicare Provider Number: 500073

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years

Proportion female..... 52.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 34.8 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 5.6 %

Admitted for emergency..... 59.6 %

### COMORBIDITIES:

Cancer..... 6.7 %

Chronic cardiovascular disease..... 32.6 %

Chronic liver disease..... 1.1 %

Chronic renal disease..... 0.0 %

Chronic pulmonary disease..... 21.3 %

Cerebrovascular degeneration..... 5.6 %

Diabetes mellitus..... 5.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 94.0%

State..... 6.0%

Outside State..... 0.0%

Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 4.4 Days

State..... 6.4 Days

National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 16

Occupancy Rate..... 25.0 %

Ownership/Control..... District/Authority

Medicare Discharges.....(Not Available)

Case Mix Index (CMI)..... 1.0363

### STAFFING:

Total Number of Physicians..... (Not Available)

Percent of Physicians Board  
Certified Specialists.....(Not Available)

Medical Residents/Interns..... (Not Available)

Registered Nurses..... (Not Available)

Licensed Practical Nurses..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit..... No

Cardiac Intensive Care..... No

Comprehensive Geriatric..... No

Hospice Care..... No

Medical/Surgical Intensive Care..... No

Organ/Tissue Transplant..... No

Other Intensive Care..... No

Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No

Rehabilitation..... No

Psychiatric..... No

Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MOUNTAINVIEW HOSPITAL

628 SOUTH COWLEY  
SPOKANE, WA 99204  
Medicare Provider Number: 500127

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 35                 | 0.0                 | 0.6  | ----- | 0.0     | 1.8  | ----- | 2.9      | 3.5  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# MOUNTAINVIEW HOSPITAL

Medicare Provider Number: 500127

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 51.5 years  
Proportion female..... 11.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 11.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 5.7 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 54.3 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 14.3 %  
Cerebrovascular degeneration..... 22.9 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.4%  
State ..... 16.3%  
Outside State ..... 9.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 12.5 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1991

### PROFILE:

Total Beds ..... 34  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI) ..... 0.9979

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 8  
Licensed Practical Nurses..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# MT CARMEL HOSPITAL

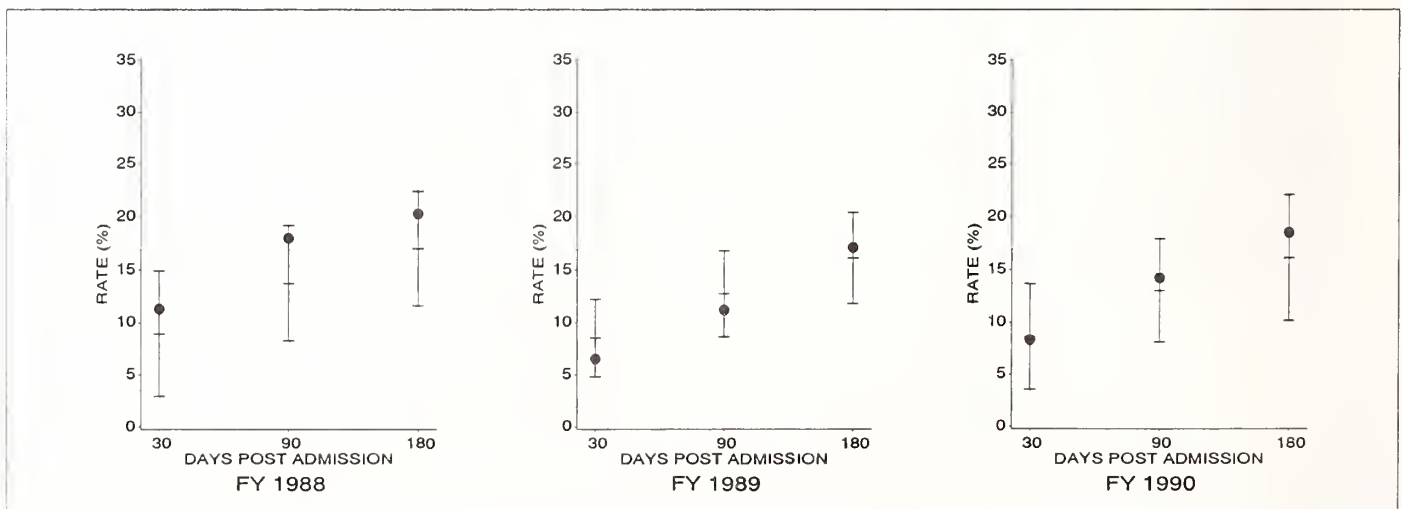
982 EAST COLUMBIA  
COLVILLE, WA 99114  
Medicare Provider Number: 500055

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 324             | 8.3                 | 8.6  | 2.5   | 14.2    | 13.0 | 2.5   | 18.5     | 16.1 | 3.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 13              | 30.8                | 21.7 | ----- | 30.8    | 24.4 | ----- | 30.8     | 27.2 | ----- |
| Congestive Heart Failure.....              | 23              | 0.0                 | 13.7 | ----- | 21.7    | 22.5 | ----- | 30.4     | 28.7 | ----- |
| Pneumonia/Influenza.....                   | 35              | 8.6                 | 10.8 | ----- | 14.3    | 16.0 | ----- | 17.1     | 19.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 5.8  | ----- | 0.0     | 11.5 | ----- | 0.0      | 16.8 | ----- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 0.9  | ----- | 0.0     | 2.3  | ----- | 0.0      | 4.1  | ----- |
| Stroke.....                                | 22              | 18.2                | 16.8 | ----- | 22.7    | 22.5 | ----- | 22.7     | 26.1 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 3.8  | ----- | 0.0     | 7.5  | ----- | 0.0      | 10.6 | ----- |
| Sepsis.....                                | 3               | 0.0                 | 37.8 | ----- | 0.0     | 44.4 | ----- | 33.3     | 48.8 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 7               | 0.0                 | 2.4  | ----- | 0.0     | 4.4  | ----- | 14.3     | 6.2  | ----- |
| Hysterectomy.....                          | 4               | 0.0                 | 1.2  | ----- | 0.0     | 2.8  | ----- | 0.0      | 4.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# MT CARMEL HOSPITAL

Medicare Provider Number: 500055

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.4 years

Proportion female..... 58.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.8 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.0 %

Admitted for emergency..... 0.3 %

### COMORBIDITIES:

Cancer..... 5.6 %

Chronic cardiovascular disease..... 27.8 %

Chronic liver disease..... 1.2 %

Chronic renal disease..... 0.3 %

Chronic pulmonary disease..... 11.1 %

Cerebrovascular degeneration..... 4.0 %

Diabetes mellitus..... 5.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 75.9%

State ..... 21.0%

Outside State ..... 3.1%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.4 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 32

Occupancy Rate ..... 40.0 %

Ownership/Control..... Church

Medicare Discharges ..... 41.2 %

Case Mix Index (CMI) ..... 0.9945

### STAFFING:

Total Number of Physicians..... 14

Percent of Physicians Board  
Certified Specialists ..... 100.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 29

Licensed Practical Nurses ..... 4

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... Yes

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# NEW VALLEY OSTEOPATHIC HOSPITAL

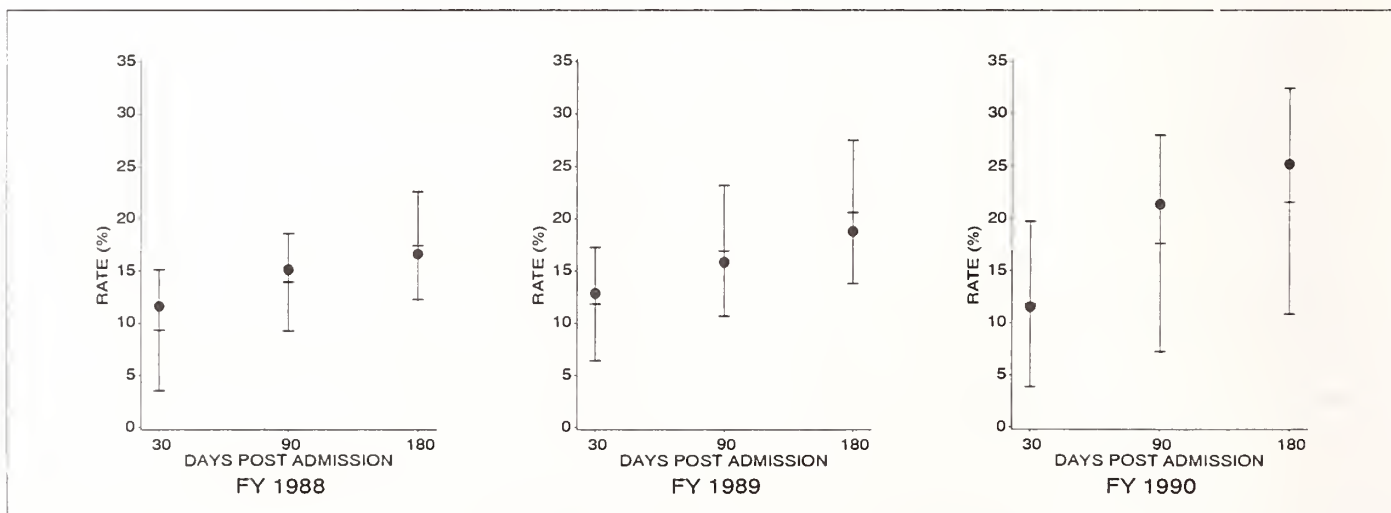
3003 TIETON DRIVE  
YAKIMA, WA 98902  
Medicare Provider Number: 500076

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 234             | 11.5                | 11.8 | 4.0   | 21.4    | 17.6 | 5.2   | 25.2     | 21.6 | 5.4   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 33.3                | 26.1 | ----- | 38.9    | 29.7 | ----- | 38.9     | 32.9 | ----- |
| Congestive Heart Failure.....              | 17              | 5.9                 | 14.7 | ----- | 17.6    | 22.9 | ----- | 23.5     | 27.9 | ----- |
| Pneumonia/Influenza.....                   | 16              | 12.5                | 15.7 | ----- | 31.3    | 21.5 | ----- | 37.5     | 25.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 13              | 7.7                 | 7.2  | ----- | 15.4    | 12.8 | ----- | 23.1     | 17.1 | ----- |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.5  | ----- |
| Stroke.....                                | 12              | 33.3                | 19.6 | ----- | 41.7    | 28.2 | ----- | 50.0     | 33.1 | ----- |
| Hip Fracture.....                          | 1               | 0.0                 | 5.1  | ----- | 0.0     | 10.4 | ----- | 0.0      | 15.2 | ----- |
| Sepsis.....                                | 3               | 33.3                | 25.6 | ----- | 33.3    | 34.0 | ----- | 33.3     | 38.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 1               | 0.0                 | 4.7  | ----- | 0.0     | 9.8  | ----- | 0.0      | 14.5 | ----- |
| Prostatectomy.....                         | 6               | 0.0                 | 0.4  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.8  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 0.7  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.2  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 7.2  | ----- | 100.0   | 13.4 | ----- | 100.0    | 19.4 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NEW VALLEY OSTEOPATHIC HOSPITAL

Medicare Provider Number: 500076

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 77.5 years |
| Proportion female.....        | 54.3 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 60.3 % |
| Transferred from skilled nursing facility..... | 0.9 %  |
| Admitted for elective procedure.....           | 20.9 % |
| Admitted for emergency.....                    | 12.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.0 %  |
| Chronic cardiovascular disease..... | 38.5 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 4.7 %  |
| Chronic pulmonary disease.....      | 17.5 % |
| Cerebrovascular degeneration.....   | 4.7 %  |
| Diabetes mellitus.....              | 7.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 93.9%  |
| State .....         | 5.1%   |
| Outside State ..... | 1.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.3 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1988

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 30                  |
| Ownership/Control.....     | Private, Non-Profit |
| Case Mix Index (CMI) ..... | 1.2354              |

### STAFFING:

|                                 |    |
|---------------------------------|----|
| Medical Residents/Interns ..... | 0  |
| Registered Nurses.....          | 15 |
| Licensed Practical Nurses ..... | 7  |

### SPECIALTY SERVICES:

|                           |     |
|---------------------------|-----|
| Burn Unit .....           | No  |
| Coronary Care Unit .....  | Yes |
| Hospice Care .....        | No  |
| Intensive Care Unit ..... | Yes |
| Organ Transplant .....    | No  |
| Trauma Center .....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# NEWPORT COMMUNITY HOSPITAL

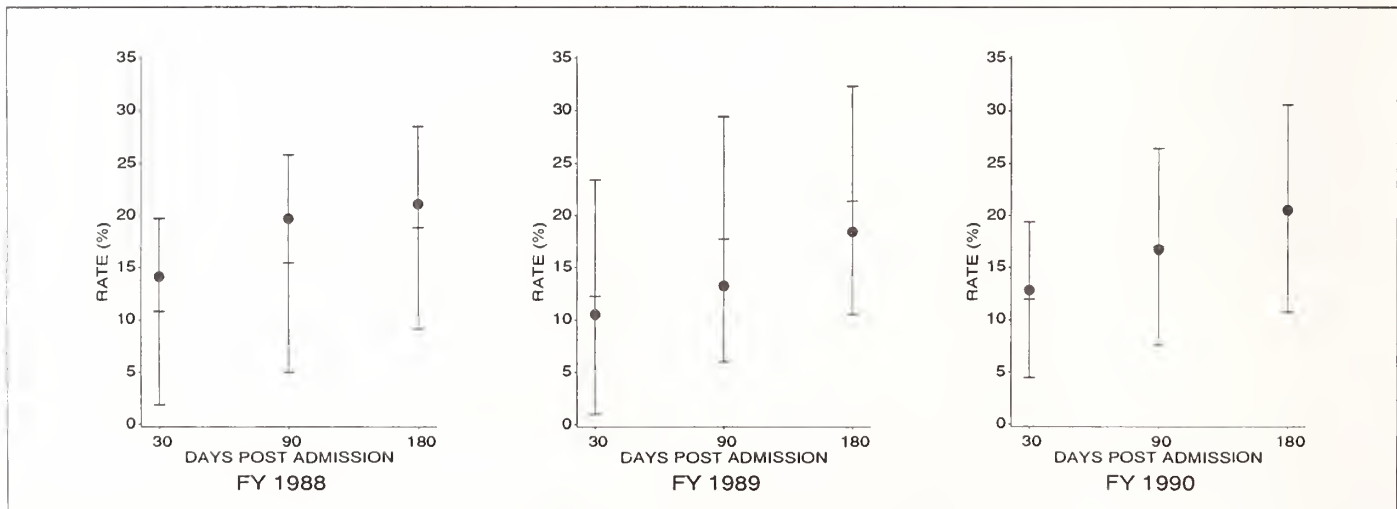
BOX 669  
NEWPORT, WA 99156  
Medicare Provider Number: 500097

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 78                 | 12.8                | 11.9 | 3.7   | 16.7    | 17.0 | 4.7   | 20.5     | 20.6 | 5.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3                  | 33.3                | 15.6 | ----- | 33.3    | 18.4 | ----- | 33.3     | 21.3 | ----- |
| Congestive Heart Failure.....              | 4                  | 0.0                 | 13.5 | ----- | 0.0     | 20.1 | ----- | 0.0      | 26.1 | ----- |
| Pneumonia/Influenza.....                   | 8                  | 0.0                 | 15.0 | ----- | 0.0     | 21.1 | ----- | 0.0      | 24.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 6.4  | ----- | 0.0     | 11.0 | ----- | 0.0      | 15.0 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 3.4  | ----- | 0.0     | 7.3  | ----- | 0.0      | 11.4 | ----- |
| Stroke.....                                | 10                 | 50.0                | 26.2 | ----- | 50.0    | 34.3 | ----- | 50.0     | 38.9 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 42.6 | ----- | 100.0   | 48.9 | ----- | 100.0    | 52.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NEWPORT COMMUNITY HOSPITAL

Medicare Provider Number: 500097

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.3 years  
Proportion female..... 62.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 17.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 80.8 %

### COMORBIDITIES:

Cancer..... 3.8 %  
Chronic cardiovascular disease..... 44.9 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 23.1 %  
Cerebrovascular degeneration..... 1.3 %  
Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 48.7%  
State ..... 8.4%  
Outside State ..... 42.9%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.0 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 74  
Ownership/Control..... District/Authority  
Case Mix Index (CMI) ..... 1.0126

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 11  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... No  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# NORTH VALLEY HOSPITAL

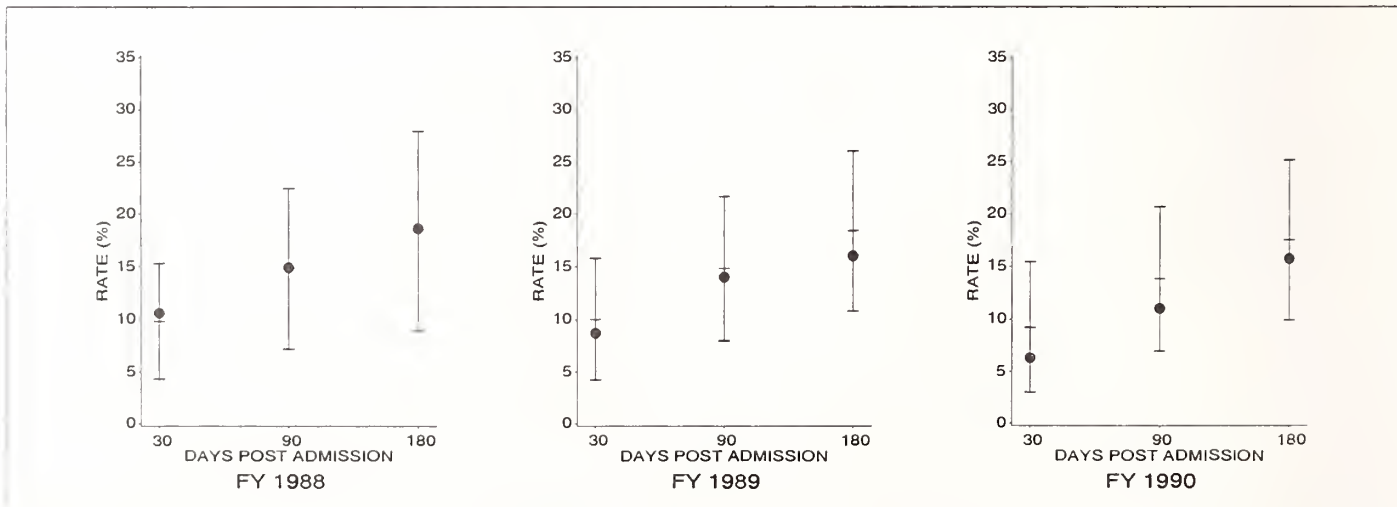
SECOND & WESTERN, BOX 488  
TONASKET, WA 98855  
Medicare Provider Number: 500028

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 127             | 6.3                 | 9.2  | 3.1   | 11.0    | 13.8 | 3.4   | 15.7     | 17.5 | 3.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 1               | 100.0               | 34.5 | ----- | 100.0   | 54.5 | ----- | 100.0    | 66.7 | ----- |
| Congestive Heart Failure.....              | 9               | 11.1                | 17.3 | ----- | 11.1    | 27.2 | ----- | 33.3     | 34.0 | ----- |
| Pneumonia/Influenza.....                   | 9               | 11.1                | 14.4 | ----- | 11.1    | 19.4 | ----- | 11.1     | 23.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 20.0                | 9.5  | ----- | 20.0    | 17.8 | ----- | 20.0     | 24.6 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 6               | 16.7                | 34.3 | ----- | 33.3    | 38.3 | ----- | 33.3     | 41.9 | ----- |
| Hip Fracture.....                          | 1               | 100.0               | 7.7  | ----- | 100.0   | 14.0 | ----- | 100.0    | 17.5 | ----- |
| Sepsis.....                                | 2               | 0.0                 | 21.4 | ----- | 50.0    | 28.1 | ----- | 50.0     | 32.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 1               | 100.0               | 5.7  | ----- | 100.0   | 11.1 | ----- | 100.0    | 14.5 | ----- |
| Prostatectomy.....                         | 6               | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.6  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 2.3  | ----- | 0.0     | 3.8  | ----- | 0.0      | 4.6  | ----- |
| Hysterectomy.....                          | 2               | 0.0                 | 0.7  | ----- | 0.0     | 1.7  | ----- | 0.0      | 2.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTH VALLEY HOSPITAL

Medicare Provider Number: 500028

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.1 years  
Proportion female..... 52.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 40.2 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 91.3 %

### COMORBIDITIES:

Cancer..... 4.7 %  
Chronic cardiovascular disease..... 26.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 6.3 %  
Chronic pulmonary disease..... 11.0 %  
Cerebrovascular degeneration..... 3.9 %  
Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 92.5%  
State ..... 6.5%  
Outside State ..... 1.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.1 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 92  
Occupancy Rate ..... 80.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.9645

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# NORTHWEST HOSPITAL

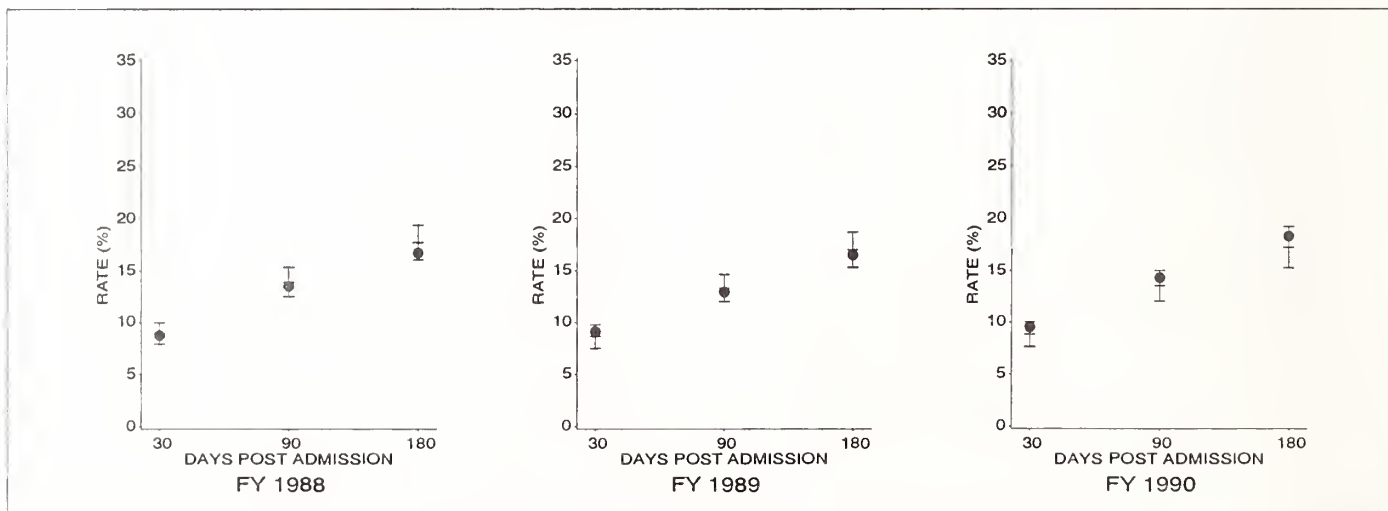
1550 NORTH 115TH STREET  
SEATTLE, WA 98133  
Medicare Provider Number: 500001

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3157            | 9.5                 | 8.8  | 0.6  | 14.3    | 13.5 | 0.7  | 18.3     | 17.2 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 122             | 28.7                | 25.5 | 5.9  | 34.4    | 28.9 | 6.2  | 37.7     | 32.0 | 7.0  |
| Congestive Heart Failure.....              | 157             | 11.5                | 15.7 | 3.8  | 19.7    | 25.1 | 5.2  | 26.8     | 31.8 | 6.4  |
| Pneumonia/Influenza.....                   | 127             | 14.2                | 15.0 | 3.3  | 22.8    | 21.1 | 3.8  | 26.0     | 25.1 | 3.9  |
| Chronic Obstructive Pulmonary Disease..... | 44              | 11.4                | 9.5  | ---- | 18.2    | 16.5 | ---- | 18.2     | 21.5 | ---- |
| Transient Cerebral Ischemia.....           | 29              | 0.0                 | 1.6  | ---- | 3.4     | 3.7  | ---- | 10.3     | 6.1  | ---- |
| Stroke.....                                | 138             | 21.7                | 18.6 | 4.2  | 27.5    | 24.8 | 4.0  | 31.2     | 28.8 | 4.2  |
| Hip Fracture.....                          | 121             | 5.0                 | 7.7  | 2.7  | 8.3     | 13.9 | 4.1  | 11.6     | 18.2 | 4.6  |
| Sepsis.....                                | 39              | 28.2                | 20.2 | ---- | 28.2    | 28.1 | ---- | 28.2     | 32.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 20              | 5.0                 | 2.4  | ---- | 5.0     | 4.9  | ---- | 10.0     | 7.4  | ---- |
| Carotid Endarterectomy.....                | 36              | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 2.8      | 3.5  | ---- |
| Hip Replacement/Reconstruction.....        | 95              | 2.1                 | 3.3  | 2.1  | 4.2     | 6.5  | 3.3  | 7.4      | 9.1  | 3.7  |
| Open Reduction of Hip Fracture.....        | 56              | 7.1                 | 8.6  | 3.9  | 10.7    | 15.7 | 5.5  | 17.9     | 20.5 | 5.6  |
| Prostatectomy.....                         | 97              | 2.1                 | 0.8  | 1.4  | 2.1     | 1.9  | 2.2  | 4.1      | 3.4  | 2.8  |
| Cholecystectomy.....                       | 51              | 0.0                 | 3.4  | 4.2  | 2.0     | 5.9  | 5.5  | 5.9      | 7.5  | 6.1  |
| Hysterectomy.....                          | 46              | 2.2                 | 0.5  | ---- | 2.2     | 1.3  | ---- | 2.2      | 2.0  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# NORTHWEST HOSPITAL

Medicare Provider Number: 500001

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 60.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 46.5 %  
Transferred from skilled nursing facility..... 5.4 %  
Admitted for elective procedure..... 48.9 %  
Admitted for emergency..... 49.7 %

### COMORBIDITIES:

Cancer..... 9.6 %  
Chronic cardiovascular disease..... 37.0 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 2.1 %  
Chronic pulmonary disease..... 14.4 %  
Cerebrovascular degeneration..... 6.0 %  
Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.0%  
State ..... 12.8%  
Outside State ..... 2.2%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.3 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 248  
Occupancy Rate ..... 78.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 44.7 %  
Case Mix Index (CMI) ..... 1.2990

### STAFFING:

Total Number of Physicians..... 287  
Percent of Physicians Board  
Certified Specialists..... 87.1 %  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# OCEAN BEACH HOSPITAL

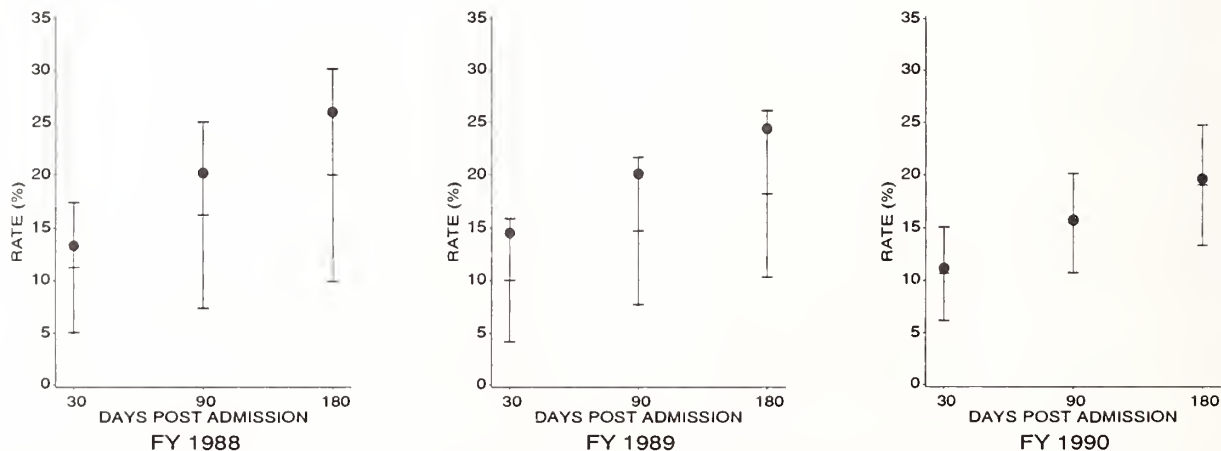
PO BOX 368  
ILWACO, WA 98624  
Medicare Provider Number: 500096

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 280                | 11.1                | 10.6 | 2.2   | 15.7    | 15.4 | 2.4   | 19.6     | 19.0 | 2.9   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 11                 | 36.4                | 23.6 | ----- | 36.4    | 26.9 | ----- | 36.4     | 30.0 | ----- |
| Congestive Heart Failure.....              | 11                 | 9.1                 | 13.8 | ----- | 18.2    | 22.1 | ----- | 27.3     | 28.6 | ----- |
| Pneumonia/Influenza.....                   | 18                 | 11.1                | 18.6 | ----- | 11.1    | 25.8 | ----- | 22.2     | 29.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 22                 | 9.1                 | 7.8  | ----- | 9.1     | 13.0 | ----- | 9.1      | 16.9 | ----- |
| Transient Cerebral Ischemia.....           | 4                  | 0.0                 | 2.5  | ----- | 25.0    | 6.2  | ----- | 25.0     | 10.2 | ----- |
| Stroke.....                                | 20                 | 20.0                | 21.1 | ----- | 25.0    | 26.9 | ----- | 25.0     | 31.0 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 5                  | 0.0                 | 32.5 | ----- | 0.0     | 38.3 | ----- | 20.0     | 42.5 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 2                  | 0.0                 | 1.0  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.2  | ----- |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 7                  | 0.0                 | 0.6  | ----- | 0.0     | 1.7  | ----- | 0.0      | 3.0  | ----- |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.0  | ----- | 0.0     | 0.0  | ----- | 0.0      | 0.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# OCEAN BEACH HOSPITAL

Medicare Provider Number: 500096

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.6 years  
Proportion female..... 55.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 30.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 29.3 %  
Admitted for emergency..... 67.1 %

### COMORBIDITIES:

Cancer..... 6.8 %  
Chronic cardiovascular disease..... 38.6 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 13.6 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 7.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.6%  
State ..... 5.4%  
Outside State ..... 6.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.9 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 19  
Occupancy Rate ..... 31.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 64.2 %  
Case Mix Index (CMI) ..... 0.9972

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists ..... 60.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 14  
Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# OKANOGAN-DOUGLAS COUNTY HOSPITAL

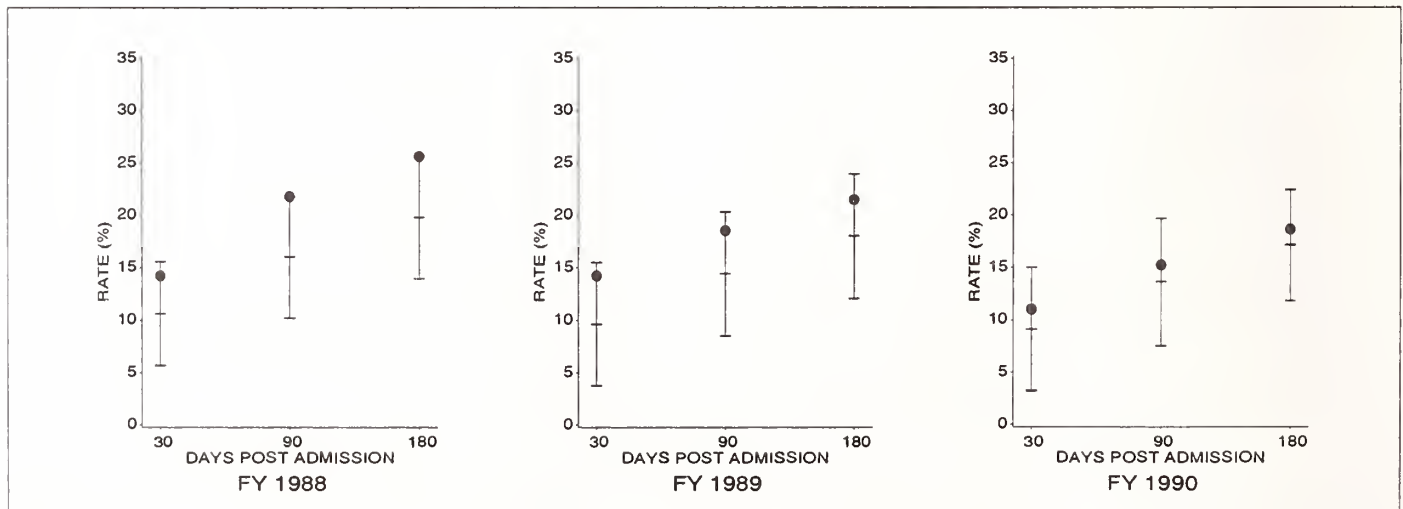
703 NW SECOND AVENUE  
BREWSTER, WA 98812  
Medicare Provider Number: 500107

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 237                | 11.0                | 9.1  | 2.9  | 15.2    | 13.6 | 3.0  | 18.6     | 17.1 | 2.7  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5                  | 60.0                | 17.9 | ---- | 60.0    | 23.4 | ---- | 60.0     | 27.1 | ---- |
| Congestive Heart Failure.....              | 10                 | 30.0                | 15.6 | ---- | 30.0    | 24.7 | ---- | 40.0     | 31.5 | ---- |
| Pneumonia/Influenza.....                   | 22                 | 9.1                 | 13.5 | ---- | 13.6    | 18.5 | ---- | 13.6     | 22.2 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3                  | 0.0                 | 8.2  | ---- | 0.0     | 13.6 | ---- | 0.0      | 17.4 | ---- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 1.8  | ---- | 0.0     | 4.0  | ---- | 0.0      | 6.5  | ---- |
| Stroke.....                                | 9                  | 33.3                | 20.3 | ---- | 33.3    | 26.0 | ---- | 33.3     | 29.6 | ---- |
| Hip Fracture.....                          | 11                 | 9.1                 | 9.3  | ---- | 9.1     | 16.5 | ---- | 18.2     | 21.5 | ---- |
| Sepsis.....                                | 4                  | 25.0                | 29.8 | ---- | 25.0    | 35.3 | ---- | 25.0     | 40.7 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0                  |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 11                 | 9.1                 | 6.5  | ---- | 9.1     | 12.3 | ---- | 18.2     | 16.4 | ---- |
| Open Reduction of Hip Fracture.....        | 3                  | 0.0                 | 6.6  | ---- | 0.0     | 10.6 | ---- | 0.0      | 13.9 | ---- |
| Prostatectomy.....                         | 3                  | 0.0                 | 1.3  | ---- | 0.0     | 3.5  | ---- | 0.0      | 6.4  | ---- |
| Cholecystectomy.....                       | 12                 | 0.0                 | 2.1  | ---- | 8.3     | 3.3  | ---- | 8.3      | 4.3  | ---- |
| Hysterectomy.....                          | 3                  | 0.0                 | 1.2  | ---- | 0.0     | 2.1  | ---- | 0.0      | 3.2  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OKANOGAN-DOUGLAS COUNTY HOSPITAL

Medicare Provider Number: 500107

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.1 years |
| Proportion female.....        | 53.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 35.0 % |
| Transferred from skilled nursing facility..... | 0.4 %  |
| Admitted for elective procedure.....           | 12.2 % |
| Admitted for emergency.....                    | 14.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.2 %  |
| Chronic cardiovascular disease..... | 42.2 % |
| Chronic liver disease.....          | 0.4 %  |
| Chronic renal disease.....          | 0.4 %  |
| Chronic pulmonary disease.....      | 18.6 % |
| Cerebrovascular degeneration.....   | 3.4 %  |
| Diabetes mellitus.....              | 11.8 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 63.9%  |
| State .....         | 34.7%  |
| Outside State ..... | 1.4%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.5 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 49                 |
| Occupancy Rate .....       | 20.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | (Not Available)    |
| Case Mix Index (CMI) ..... | 1.1194             |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses.....                             | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | Yes |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# OLYMPIC MEMORIAL HOSPITAL

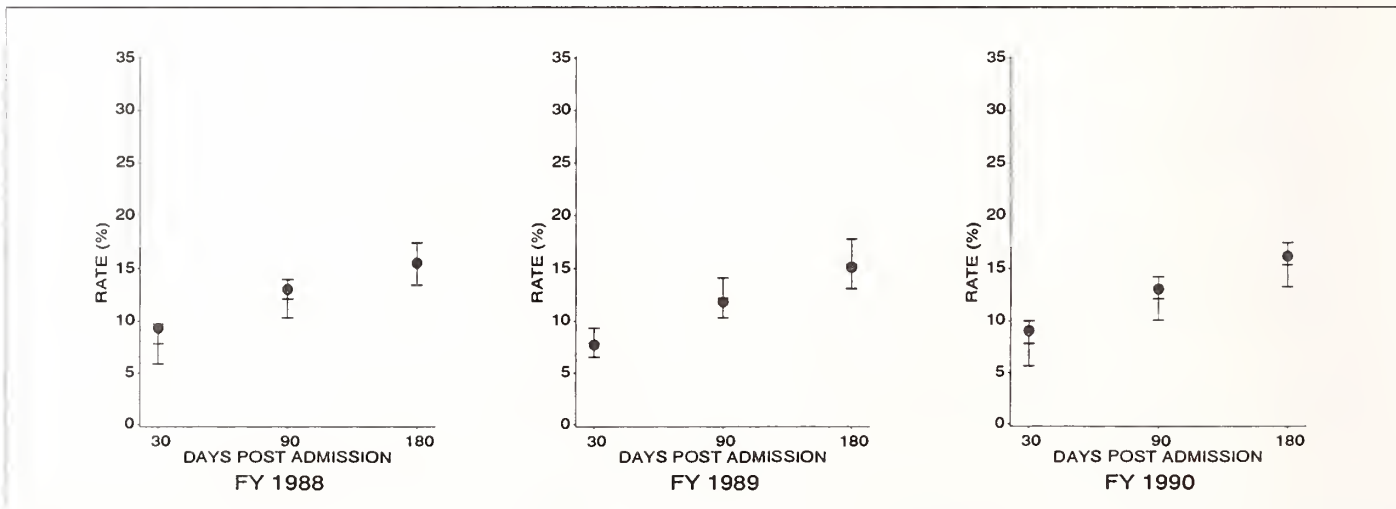
939 CAROLINE ST  
PORT ANGELES, WA 98362  
Medicare Provider Number: 500072

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1637            | 9.0                 | 7.8  | 1.1  | 13.0    | 12.1 | 1.0  | 16.1     | 15.3 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 57              | 29.8                | 21.0 | 8.6  | 29.8    | 24.0 | 8.3  | 31.6     | 26.7 | 7.5  |
| Congestive Heart Failure.....              | 87              | 9.2                 | 13.8 | 5.1  | 20.7    | 22.2 | 5.3  | 24.1     | 28.4 | 5.6  |
| Pneumonia/Influenza.....                   | 114             | 12.3                | 13.2 | 3.8  | 19.3    | 18.4 | 3.8  | 25.4     | 22.1 | 4.7  |
| Chronic Obstructive Pulmonary Disease..... | 30              | 3.3                 | 7.8  | ---- | 13.3    | 13.9 | ---- | 23.3     | 18.5 | ---- |
| Transient Cerebral Ischemia.....           | 15              | 6.7                 | 2.7  | ---- | 13.3    | 5.9  | ---- | 33.3     | 9.0  | ---- |
| Stroke.....                                | 69              | 17.4                | 16.5 | 4.8  | 18.8    | 21.4 | 6.0  | 20.3     | 24.8 | 7.0  |
| Hip Fracture.....                          | 39              | 2.6                 | 4.3  | ---- | 5.1     | 7.9  | ---- | 7.7      | 10.8 | ---- |
| Sepsis.....                                | 14              | 21.4                | 24.5 | ---- | 28.6    | 31.2 | ---- | 28.6     | 35.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 1.8  | ---- | 7.1     | 3.6  | ---- | 7.1      | 5.4  | ---- |
| Carotid Endarterectomy.....                | 11              | 0.0                 | 1.1  | ---- | 0.0     | 2.0  | ---- | 0.0      | 2.9  | ---- |
| Hip Replacement/Reconstruction.....        | 39              | 0.0                 | 2.0  | ---- | 0.0     | 4.1  | ---- | 5.1      | 6.0  | ---- |
| Open Reduction of Hip Fracture.....        | 15              | 6.7                 | 4.4  | ---- | 6.7     | 7.8  | ---- | 6.7      | 10.6 | ---- |
| Prostatectomy.....                         | 80              | 1.2                 | 0.8  | 1.1  | 2.5     | 2.0  | 1.6  | 5.0      | 3.5  | 2.5  |
| Cholecystectomy.....                       | 39              | 7.7                 | 1.7  | ---- | 10.3    | 3.0  | ---- | 10.3     | 3.9  | ---- |
| Hysterectomy.....                          | 14              | 0.0                 | 1.6  | ---- | 0.0     | 3.8  | ---- | 0.0      | 6.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OLYMPIC MEMORIAL HOSPITAL

Medicare Provider Number: 500072

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.8 years  
Proportion female..... 53.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 98.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 20.9 %  
Admitted for emergency..... 26.9 %

### COMORBIDITIES:

Cancer..... 7.5 %  
Chronic cardiovascular disease..... 38.4 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 15.7 %  
Cerebrovascular degeneration..... 4.3 %  
Diabetes mellitus..... 6.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 94.0%  
State ..... 3.5%  
Outside State ..... 2.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.3 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 81  
Occupancy Rate ..... 76.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 48.6 %  
Case Mix Index (CMI) ..... 1.2108

### STAFFING:

Total Number of Physicians..... 66  
Percent of Physicians Board  
Certified Specialists..... 80.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 110  
Licensed Practical Nurses ..... 16

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# OTHELLO COMMUNITY HOSPITAL

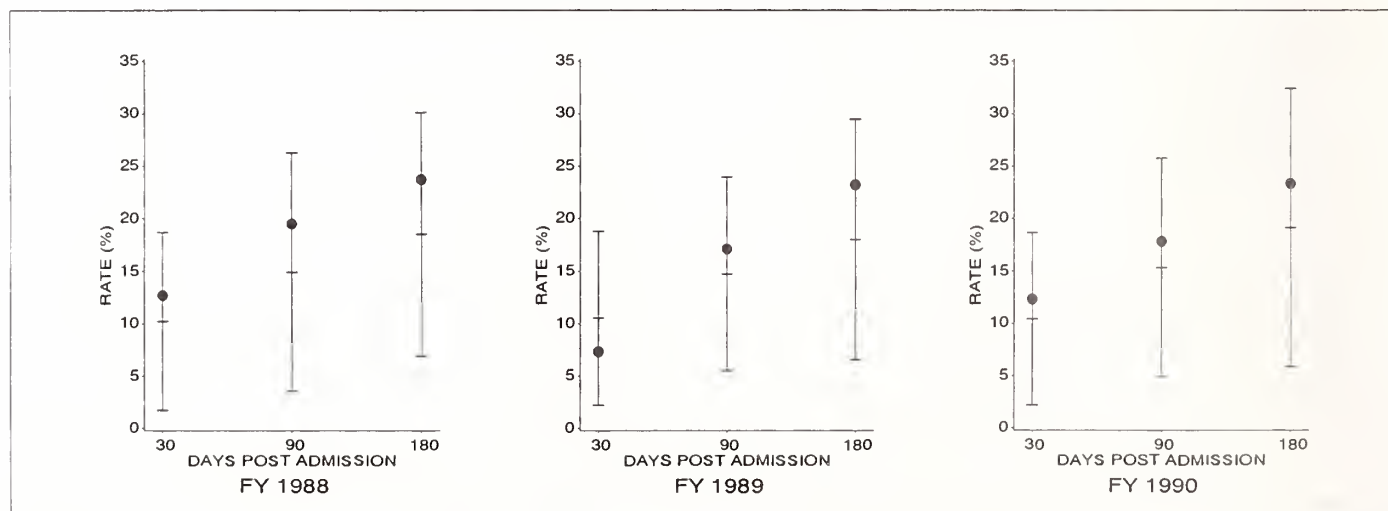
350 NORTH 14TH STREET  
OTHELLO, WA 99344  
Medicare Provider Number: 500102

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 73              | 12.3                | 10.4 | 4.1  | 17.8    | 15.3 | 5.2  | 23.3     | 19.1 | 6.6  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 0.0                 | 21.1 | ---- | 20.0    | 24.5 | ---- | 40.0     | 27.3 | ---- |
| Congestive Heart Failure.....              | 8               | 25.0                | 13.1 | ---- | 25.0    | 19.3 | ---- | 25.0     | 24.1 | ---- |
| Pneumonia/Influenza.....                   | 9               | 0.0                 | 10.1 | ---- | 11.1    | 13.8 | ---- | 11.1     | 16.6 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 2               | 0.0                 | 0.8  | ---- | 0.0     | 2.1  | ---- | 0.0      | 3.7  | ---- |
| Stroke.....                                | 2               | 50.0                | 29.7 | ---- | 50.0    | 37.6 | ---- | 50.0     | 41.2 | ---- |
| Hip Fracture.....                          | 1               | 0.0                 | 3.6  | ---- | 0.0     | 5.8  | ---- | 0.0      | 7.9  | ---- |
| Sepsis.....                                | 2               | 50.0                | 36.8 | ---- | 50.0    | 48.8 | ---- | 50.0     | 57.1 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ---- | 0.0     | 0.3  | ---- | 0.0      | 0.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OTHELLO COMMUNITY HOSPITAL

Medicare Provider Number: 500102

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.7 years  
Proportion female..... 54.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 39.7 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 54.8 %

### COMORBIDITIES:

Cancer..... 9.6 %  
Chronic cardiovascular disease..... 39.7 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 8.2 %  
Chronic pulmonary disease..... 16.4 %  
Cerebrovascular degeneration..... 2.7 %  
Diabetes mellitus..... 15.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 74.0%  
State ..... 25.2%  
Outside State ..... 0.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.1 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 38  
Occupancy Rate ..... 13.2 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 14.2 %  
Case Mix Index (CMI) ..... 0.9040

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists ..... 40.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 12  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# OUR LADY OF LOURDES HOSPITAL

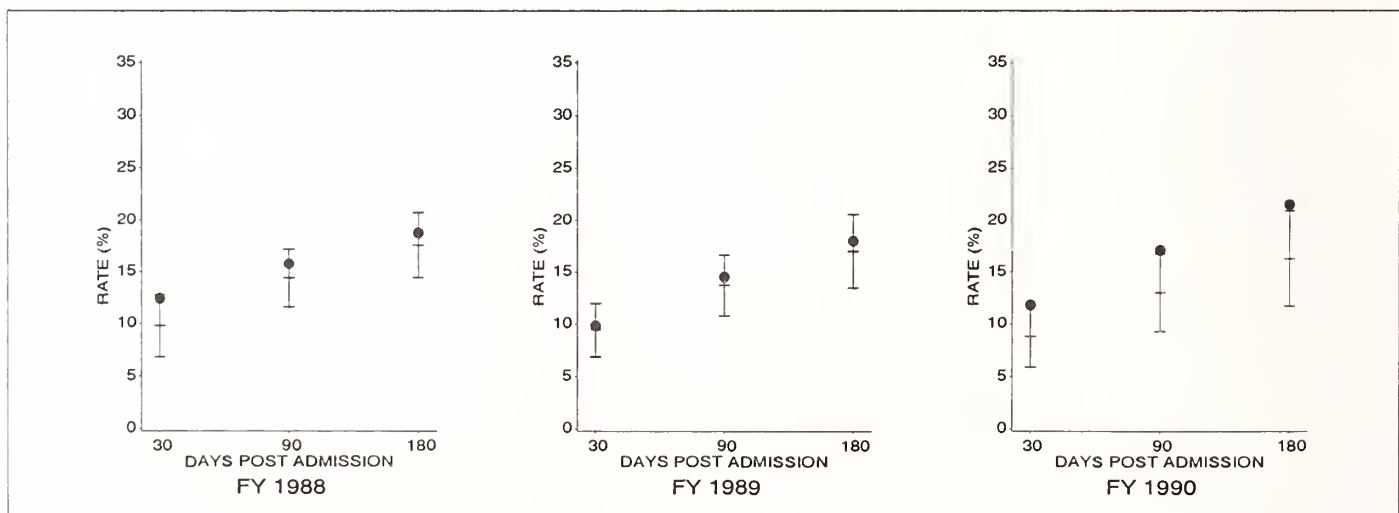
520 NORTH FOURTH AVE  
PASCO, WA 99301  
Medicare Provider Number: 500023

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 608             | 11.8                | 8.8  | 1.5   | 17.1    | 13.0 | 1.9   | 21.5     | 16.3 | 2.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 22              | 18.2                | 31.9 | ----- | 22.7    | 35.9 | ----- | 27.3     | 39.0 | ----- |
| Congestive Heart Failure.....              | 37              | 5.4                 | 13.0 | ----- | 13.5    | 20.8 | ----- | 16.2     | 26.8 | ----- |
| Pneumonia/Influenza.....                   | 23              | 21.7                | 13.0 | ----- | 30.4    | 17.7 | ----- | 30.4     | 20.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 18              | 22.2                | 6.4  | ----- | 22.2    | 11.5 | ----- | 27.8     | 15.5 | ----- |
| Transient Cerebral Ischemia.....           | 14              | 0.0                 | 1.5  | ----- | 7.1     | 3.6  | ----- | 7.1      | 6.1  | ----- |
| Stroke.....                                | 23              | 21.7                | 18.2 | ----- | 26.1    | 23.4 | ----- | 30.4     | 26.9 | ----- |
| Hip Fracture.....                          | 22              | 4.5                 | 5.7  | ----- | 4.5     | 10.3 | ----- | 9.1      | 13.6 | ----- |
| Sepsis.....                                | 6               | 0.0                 | 35.6 | ----- | 16.7    | 43.1 | ----- | 33.3     | 48.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 2.4  | ----- | 0.0     | 5.6  | ----- | 0.0      | 9.0  | ----- |
| Carotid Endarterectomy.....                | 5               | 0.0                 | 1.5  | ----- | 0.0     | 3.1  | ----- | 20.0     | 4.4  | ----- |
| Hip Replacement/Reconstruction.....        | 15              | 6.7                 | 4.5  | ----- | 13.3    | 8.2  | ----- | 13.3     | 11.0 | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 6.8  | ----- | 0.0     | 12.9 | ----- | 12.5     | 17.3 | ----- |
| Prostatectomy.....                         | 20              | 0.0                 | 0.5  | ----- | 0.0     | 1.1  | ----- | 5.0      | 1.9  | ----- |
| Cholecystectomy.....                       | 14              | 0.0                 | 1.7  | ----- | 7.1     | 3.6  | ----- | 7.1      | 5.4  | ----- |
| Hysterectomy.....                          | 12              | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# OUR LADY OF LOURDES HOSPITAL

Medicare Provider Number: 500023

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.5 years |
| Proportion female.....        | 55.4 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 48.8 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 20.4 % |
| Admitted for emergency.....                    | 27.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.2 %  |
| Chronic cardiovascular disease..... | 28.6 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 2.8 %  |
| Chronic pulmonary disease.....      | 13.7 % |
| Cerebrovascular degeneration.....   | 4.4 %  |
| Diabetes mellitus.....              | 5.3 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 64.5%  |
| State .....         | 31.4%  |
| Outside State ..... | 4.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 108    |
| Occupancy Rate .....       | 36.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 26.5 % |
| Case Mix Index (CMI) ..... | 1.1097 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 50     |
| Percent of Physicians Board<br>Certified Specialists ..... | 76.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 50     |
| Licensed Practical Nurses .....                            | 9      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug.....         | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# OVERLAKE HOSPITAL MEDICAL CENTER

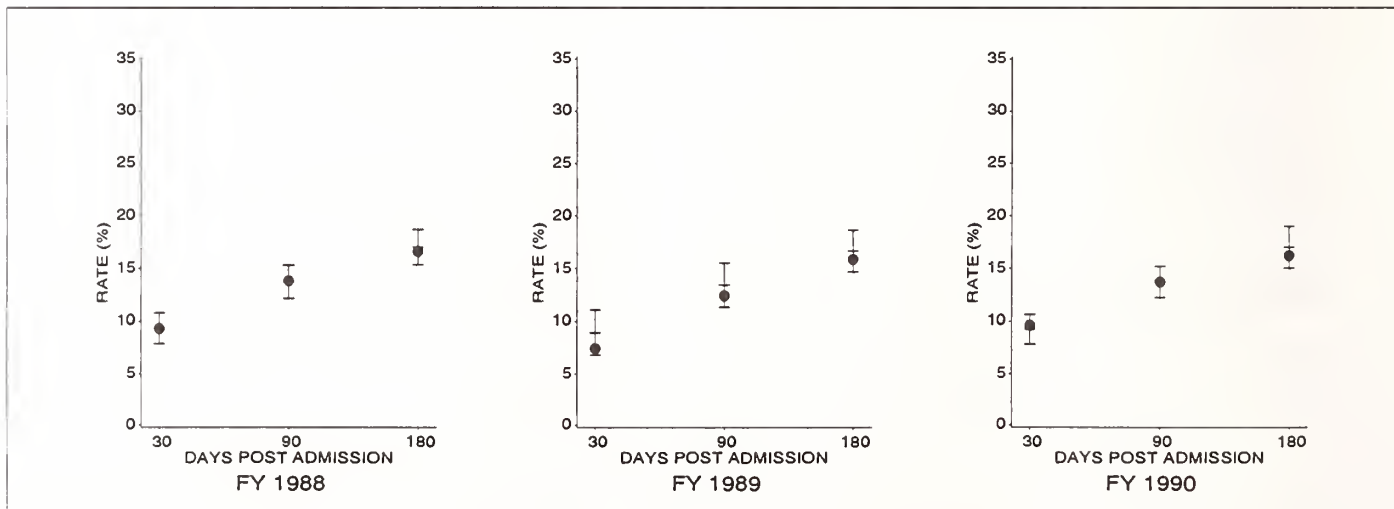
1035-116TH AVE NE  
BELLEVUE, WA 98004  
Medicare Provider Number: 500051

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2255            | 9.6                 | 9.2  | 0.7   | 13.7    | 13.7 | 0.7   | 16.2     | 17.0 | 1.0   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 78              | 25.6                | 26.7 | 5.2   | 30.8    | 29.8 | 5.4   | 35.9     | 32.5 | 6.0   |
| Congestive Heart Failure.....              | 108             | 13.0                | 13.8 | 3.7   | 20.4    | 21.7 | 6.6   | 22.2     | 27.8 | 7.9   |
| Pneumonia/Influenza.....                   | 95              | 11.6                | 13.5 | 4.3   | 18.9    | 18.3 | 4.0   | 22.1     | 21.7 | 4.3   |
| Chronic Obstructive Pulmonary Disease..... | 29              | 13.8                | 9.0  | ----- | 17.2    | 14.7 | ----- | 20.7     | 19.0 | ----- |
| Transient Cerebral Ischemia.....           | 16              | 0.0                 | 2.1  | ----- | 0.0     | 4.6  | ----- | 0.0      | 7.3  | ----- |
| Stroke.....                                | 79              | 17.7                | 22.8 | 6.6   | 27.8    | 29.3 | 6.0   | 29.1     | 33.2 | 6.6   |
| Hip Fracture.....                          | 78              | 9.0                 | 6.4  | 3.6   | 14.1    | 11.4 | 5.1   | 16.7     | 15.1 | 5.5   |
| Sepsis.....                                | 25              | 28.0                | 22.8 | ----- | 28.0    | 29.5 | ----- | 32.0     | 34.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 83              | 4.8                 | 4.0  | 2.9   | 6.0     | 4.9  | 4.0   | 7.2      | 5.8  | 5.1   |
| Coronary Artery Bypass Graft.....          | 87              | 3.4                 | 5.1  | 2.9   | 5.7     | 7.1  | 3.1   | 6.9      | 8.0  | 3.3   |
| Initial Pacemaker Insertion.....           | 10              | 0.0                 | 2.0  | ----- | 0.0     | 4.1  | ----- | 0.0      | 6.3  | ----- |
| Carotid Endarterectomy.....                | 21              | 0.0                 | 1.7  | ----- | 0.0     | 3.2  | ----- | 0.0      | 4.9  | ----- |
| Hip Replacement/Reconstruction.....        | 90              | 2.2                 | 2.9  | 2.6   | 6.7     | 5.5  | 2.7   | 7.8      | 7.5  | 3.0   |
| Open Reduction of Hip Fracture.....        | 44              | 11.4                | 5.2  | ----- | 15.9    | 9.8  | ----- | 18.2     | 13.3 | ----- |
| Prostatectomy.....                         | 107             | 0.9                 | 0.6  | 0.8   | 0.9     | 1.3  | 1.4   | 1.9      | 2.4  | 2.0   |
| Cholecystectomy.....                       | 60              | 1.7                 | 2.4  | 2.4   | 3.3     | 4.3  | 3.9   | 5.0      | 5.6  | 4.0   |
| Hysterectomy.....                          | 23              | 0.0                 | 0.3  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# OVERLAKE HOSPITAL MEDICAL CENTER

Medicare Provider Number: 500051

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.6 years  
Proportion female..... 55.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 52.4 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 33.9 %  
Admitted for emergency..... 38.8 %

### COMORBIDITIES:

Cancer..... 7.5 %  
Chronic cardiovascular disease..... 40.8 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 3.6 %  
Chronic pulmonary disease..... 15.3 %  
Cerebrovascular degeneration..... 4.2 %  
Diabetes mellitus..... 6.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.3%  
State ..... 7.3%  
Outside State ..... 6.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.3 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 233  
Occupancy Rate ..... 80.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 27.0 %  
Case Mix Index (CMI) ..... 1.6904

### STAFFING:

Total Number of Physicians..... 277  
Percent of Physicians Board  
Certified Specialists..... 81.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 365  
Licensed Practical Nurses ..... 5

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PROSSER MEMORIAL HOSPITAL

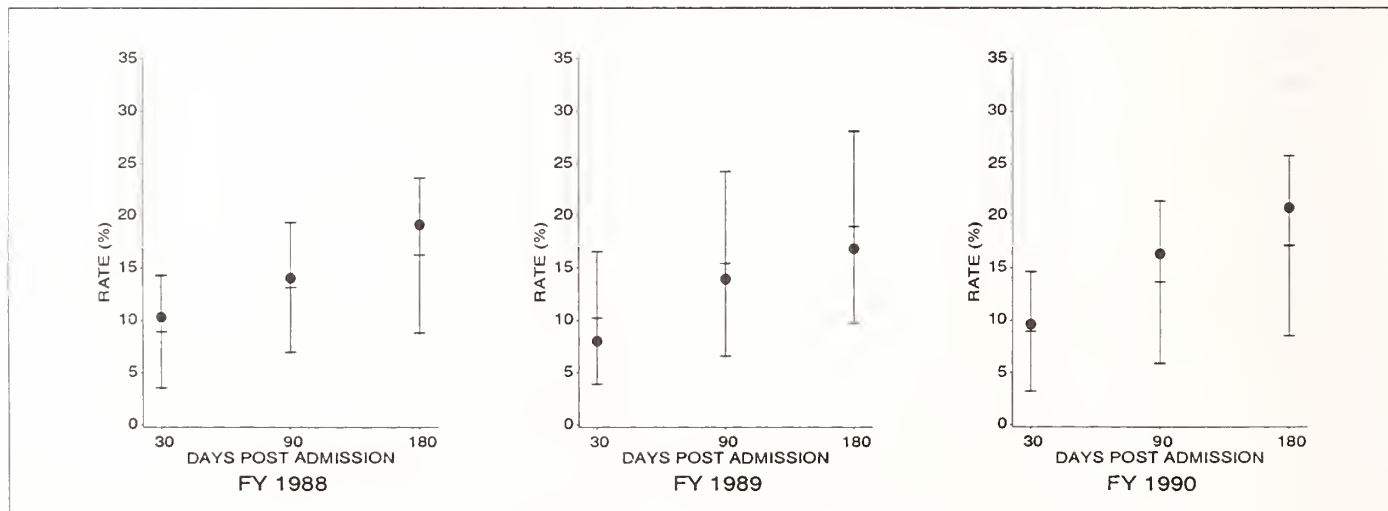
723 MEMORIAL STREET  
PROSSER, WA 99350  
Medicare Provider Number: 500043

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 135             | 9.6                 | 8.9  | 2.9   | 16.3    | 13.6 | 3.9   | 20.7     | 17.1 | 4.3   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3               | 33.3                | 23.6 | ----- | 33.3    | 26.5 | ----- | 33.3     | 29.6 | ----- |
| Congestive Heart Failure.....              | 5               | 0.0                 | 10.3 | ----- | 0.0     | 15.8 | ----- | 0.0      | 20.8 | ----- |
| Pneumonia/Influenza.....                   | 11              | 9.1                 | 10.5 | ----- | 9.1     | 14.0 | ----- | 9.1      | 16.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 4               | 25.0                | 8.2  | ----- | 25.0    | 13.9 | ----- | 25.0     | 17.3 | ----- |
| Transient Cerebral Ischemia.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 3               | 33.3                | 19.9 | ----- | 33.3    | 26.2 | ----- | 33.3     | 30.4 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 6               | 33.3                | 18.3 | ----- | 33.3    | 22.7 | ----- | 33.3     | 26.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 11              | 18.2                | 1.1  | ----- | 18.2    | 2.7  | ----- | 27.3     | 4.8  | ----- |
| Cholecystectomy.....                       | 3               | 0.0                 | 1.2  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.2  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PROSSER MEMORIAL HOSPITAL

Medicare Provider Number: 500043

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.9 years |
| Proportion female.....        | 55.6 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 51.9 % |
| Transferred from skilled nursing facility..... | 0.7 %  |
| Admitted for elective procedure.....           | 11.1 % |
| Admitted for emergency.....                    | 18.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.2 %  |
| Chronic cardiovascular disease..... | 30.4 % |
| Chronic liver disease.....          | 3.0 %  |
| Chronic renal disease.....          | 3.0 %  |
| Chronic pulmonary disease.....      | 9.6 %  |
| Cerebrovascular degeneration.....   | 5.2 %  |
| Diabetes mellitus.....              | 12.6 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 50.8%  |
| State .....         | 44.4%  |
| Outside State ..... | 4.8%   |
| Total! .....        | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 63                 |
| Occupancy Rate .....       | 50.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 20.8 %             |
| Case Mix Index (CMI) ..... | 1.2463             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 12     |
| Percent of Physicians Board<br>Certified Specialists ..... | 66.7 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 16     |
| Licensed Practical Nurses.....                             | 7      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# PROVIDENCE CENTRAL MEMORIAL HOSPITAL

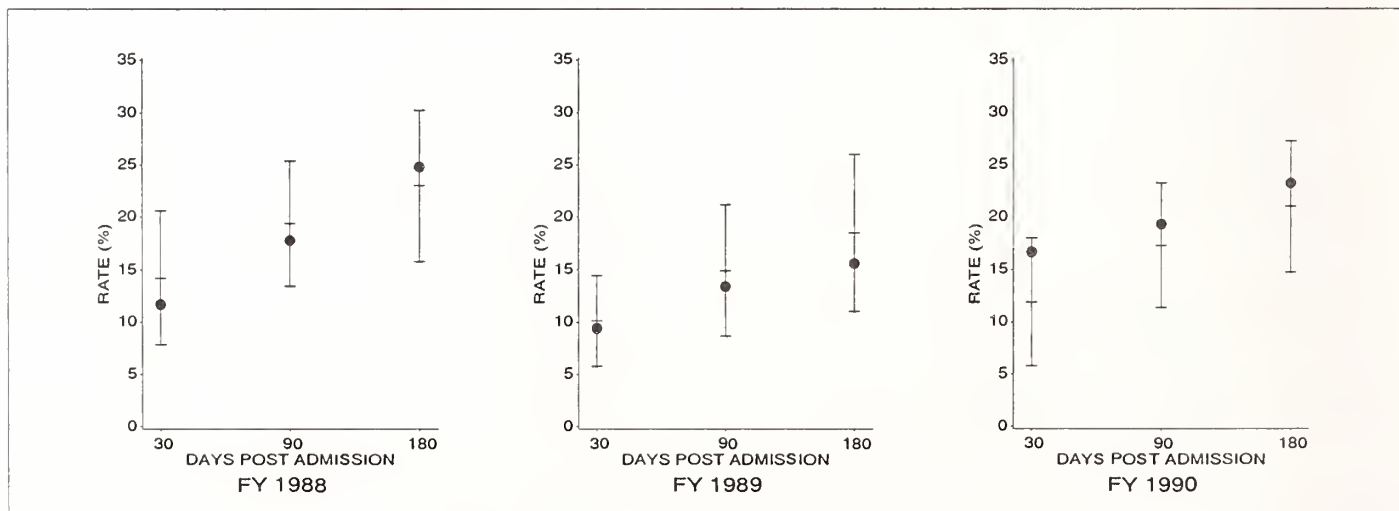
504 W FOURTH AVE  
TOPPENISH, WA 98948  
Medicare Provider Number: 500037

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 233             | 16.7                | 11.9 | 3.1  | 19.3    | 17.3 | 3.0  | 23.2     | 21.0 | 3.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 15              | 33.3                | 26.0 | ---- | 40.0    | 28.8 | ---- | 46.7     | 31.0 | ---- |
| Congestive Heart Failure.....              | 15              | 26.7                | 14.8 | ---- | 26.7    | 23.6 | ---- | 40.0     | 29.5 | ---- |
| Pneumonia/Influenza.....                   | 19              | 10.5                | 11.5 | ---- | 15.8    | 16.8 | ---- | 15.8     | 20.3 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 12.7 | ---- | 0.0     | 23.1 | ---- | 0.0      | 29.4 | ---- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 3.8  | ---- | 0.0     | 9.9  | ---- | 33.3     | 17.2 | ---- |
| Stroke.....                                | 11              | 18.2                | 18.8 | ---- | 18.2    | 24.1 | ---- | 18.2     | 27.6 | ---- |
| Hip Fracture.....                          | 6               | 16.7                | 5.8  | ---- | 16.7    | 9.9  | ---- | 16.7     | 12.8 | ---- |
| Sepsis.....                                | 3               | 66.7                | 27.3 | ---- | 66.7    | 37.0 | ---- | 66.7     | 40.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 2.1  | ---- | 0.0     | 3.7  | ---- | 0.0      | 5.1  | ---- |
| Open Reduction of Hip Fracture.....        | 5               | 20.0                | 5.6  | ---- | 20.0    | 9.9  | ---- | 20.0     | 12.9 | ---- |
| Prostatectomy.....                         | 10              | 0.0                 | 1.1  | ---- | 0.0     | 2.8  | ---- | 0.0      | 5.0  | ---- |
| Cholecystectomy.....                       | 7               | 0.0                 | 1.8  | ---- | 0.0     | 3.2  | ---- | 0.0      | 4.0  | ---- |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PROVIDENCE CENTRAL MEMORIAL HOSPITAL

Medicare Provider Number: 500037

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.7 years  
Proportion female..... 46.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 33.9 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 66.1 %

### COMORBIDITIES:

Cancer..... 9.0 %  
Chronic cardiovascular disease..... 44.2 %  
Chronic liver disease..... 2.1 %  
Chronic renal disease..... 4.3 %  
Chronic pulmonary disease..... 23.2 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 10.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 96.3%  
State ..... 3.1%  
Outside State ..... 0.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.4 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 63  
Occupancy Rate ..... 31.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 18.7 %  
Case Mix Index (CMI) ..... 1.2233

### STAFFING:

Total Number of Physicians..... 23  
Percent of Physicians Board  
Certified Specialists ..... 60.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 27  
Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# PROVIDENCE HOSPITAL

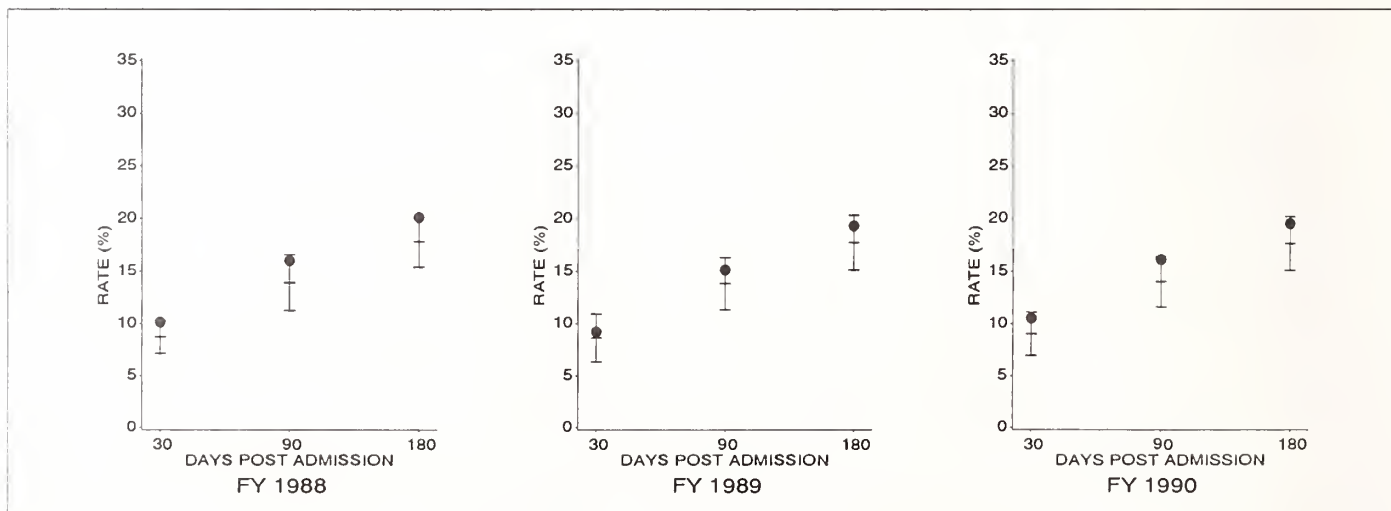
916 PACIFIC AVE, BOX 1067  
EVERETT, WA 98201  
Medicare Provider Number: 500009

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1691               | 10.5                | 9.0  | 1.0   | 16.1    | 14.0 | 1.2   | 19.5     | 17.6 | 1.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 47                 | 34.0                | 22.9 | ----- | 36.2    | 25.7 | ----- | 38.3     | 28.0 | ----- |
| Congestive Heart Failure.....              | 96                 | 14.6                | 12.8 | 3.7   | 22.9    | 20.3 | 7.8   | 30.2     | 26.3 | 7.9   |
| Pneumonia/Influenza.....                   | 53                 | 20.8                | 12.3 | 5.7   | 34.0    | 17.5 | 8.3   | 35.8     | 21.2 | 8.1   |
| Chronic Obstructive Pulmonary Disease..... | 37                 | 10.8                | 8.9  | ----- | 16.2    | 15.7 | ----- | 18.9     | 20.5 | ----- |
| Transient Cerebral Ischemia.....           | 25                 | 4.0                 | 2.1  | ----- | 4.0     | 4.5  | ----- | 8.0      | 6.9  | ----- |
| Stroke.....                                | 69                 | 24.6                | 17.2 | 6.8   | 34.8    | 23.0 | 7.3   | 34.8     | 26.7 | 7.1   |
| Hip Fracture.....                          | 48                 | 8.3                 | 6.1  | ----- | 14.6    | 10.8 | ----- | 22.9     | 14.1 | ----- |
| Sepsis.....                                | 17                 | 11.8                | 25.3 | ----- | 35.3    | 33.4 | ----- | 35.3     | 38.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7                  | 14.3                | 3.4  | ----- | 14.3    | 7.0  | ----- | 14.3     | 10.2 | ----- |
| Carotid Endarterectomy.....                | 35                 | 0.0                 | 1.4  | ----- | 2.9     | 2.8  | ----- | 5.7      | 4.3  | ----- |
| Hip Replacement/Reconstruction.....        | 39                 | 5.1                 | 3.6  | ----- | 7.7     | 6.7  | ----- | 10.3     | 9.0  | ----- |
| Open Reduction of Hip Fracture.....        | 17                 | 5.9                 | 5.6  | ----- | 11.8    | 10.1 | ----- | 11.8     | 13.2 | ----- |
| Prostatectomy.....                         | 95                 | 1.1                 | 0.7  | 1.0   | 1.1     | 1.7  | 1.6   | 2.1      | 3.1  | 2.7   |
| Cholecystectomy.....                       | 31                 | 0.0                 | 1.8  | ----- | 0.0     | 3.4  | ----- | 0.0      | 4.6  | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 5.9  | ----- | 0.0     | 12.8 | ----- | 0.0      | 18.6 | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PROVIDENCE HOSPITAL

Medicare Provider Number: 500009

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.3 years

Proportion female..... 52.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.2 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 24.8 %

Admitted for emergency..... 15.7 %

### COMORBIDITIES:

Cancer..... 10.1 %

Chronic cardiovascular disease..... 30.3 %

Chronic liver disease..... 1.2 %

Chronic renal disease..... 4.7 %

Chronic pulmonary disease..... 15.4 %

Cerebrovascular degeneration..... 2.2 %

Diabetes mellitus..... 7.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 88.9%

State ..... 8.7%

Outside State ..... 2.4%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.1 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 191

Occupancy Rate ..... 68.0 %

Ownership/Control..... Private, For Profit

Medicare Discharges ..... 38.8 %

Case Mix Index (CMI) ..... 1.3644

### STAFFING:

Total Number of Physicians..... 310

Percent of Physicians Board  
Certified Specialists..... 76.8 %

Medical Residents/Interns ..... 0

Registered Nurses..... 227

Licensed Practical Nurses ..... 17

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes

Rehabilitation..... Yes

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PROVIDENCE HOSPITAL CENTRALIA

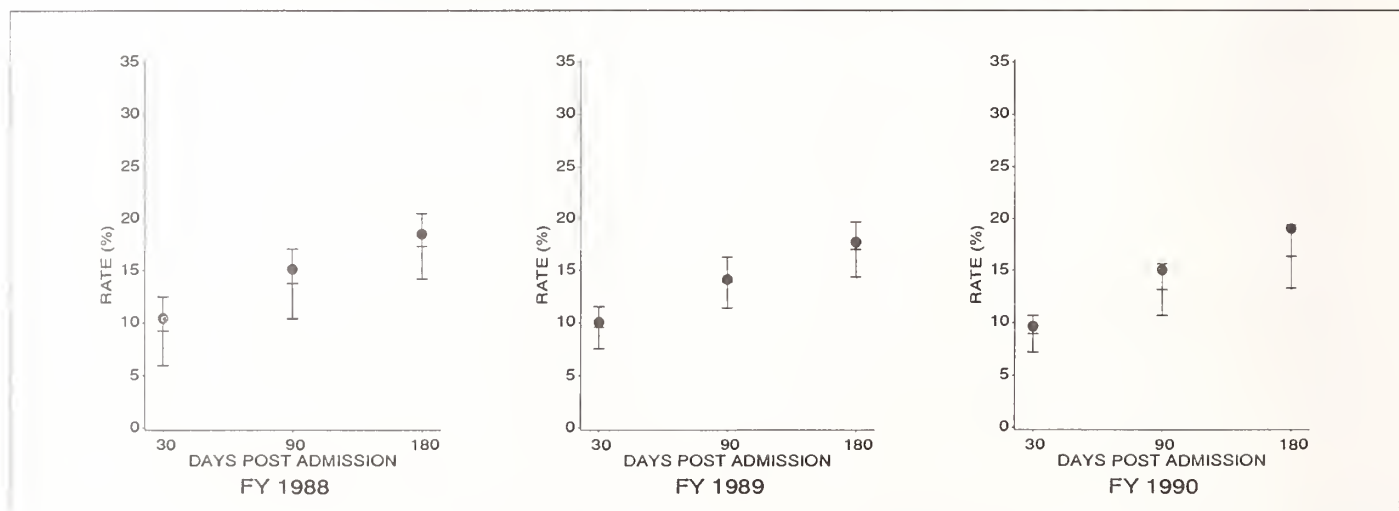
500 SE WASHINGTON AVE  
CHEHALIS, WA 98532  
Medicare Provider Number: 500019

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1410               | 9.6                 | 8.9  | 0.9   | 15.0    | 13.1 | 1.2   | 19.0     | 16.3 | 1.5   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 57                 | 26.3                | 26.1 | 5.8   | 28.1    | 29.0 | 6.4   | 31.6     | 31.7 | 7.3   |
| Congestive Heart Failure.....              | 81                 | 11.1                | 16.2 | 7.4   | 22.2    | 23.8 | 7.5   | 28.4     | 30.1 | 5.8   |
| Pneumonia/Influenza.....                   | 98                 | 17.3                | 15.6 | 3.8   | 24.5    | 21.6 | 4.8   | 29.6     | 25.9 | 6.3   |
| Chronic Obstructive Pulmonary Disease..... | 53                 | 7.5                 | 9.3  | 6.1   | 13.2    | 15.8 | 6.0   | 20.8     | 20.3 | 5.5   |
| Transient Cerebral Ischemia.....           | 11                 | 0.0                 | 1.9  | ----- | 9.1     | 4.5  | ----- | 18.2     | 7.6  | ----- |
| Stroke.....                                | 56                 | 26.8                | 18.8 | 7.4   | 37.5    | 24.2 | 10.3  | 41.1     | 27.9 | 10.9  |
| Hip Fracture.....                          | 52                 | 7.7                 | 6.4  | 3.6   | 15.4    | 11.0 | 6.4   | 21.2     | 14.2 | 8.3   |
| Sepsis.....                                | 10                 | 20.0                | 23.4 | ----- | 30.0    | 34.2 | ----- | 40.0     | 40.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 1.5  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.8  | ----- |
| Carotid Endarterectomy.....                | 7                  | 0.0                 | 0.8  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.3  | ----- |
| Hip Replacement/Reconstruction.....        | 60                 | 3.3                 | 3.1  | 2.4   | 5.0     | 5.6  | 3.2   | 6.7      | 7.6  | 4.2   |
| Open Reduction of Hip Fracture.....        | 26                 | 3.8                 | 5.8  | ----- | 15.4    | 10.5 | ----- | 23.1     | 13.8 | ----- |
| Prostatectomy.....                         | 78                 | 0.0                 | 0.8  | 1.1   | 0.0     | 1.7  | 1.8   | 0.0      | 3.0  | 2.5   |
| Cholecystectomy.....                       | 23                 | 4.3                 | 4.4  | ----- | 4.3     | 7.9  | ----- | 13.0     | 10.1 | ----- |
| Hysterectomy.....                          | 28                 | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PROVIDENCE HOSPITAL CENTRALIA

Medicare Provider Number: 500019

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.5 years

Proportion female..... 54.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.7 %

Transferred from skilled nursing facility..... 0.1 %

Admitted for elective procedure..... 25.7 %

Admitted for emergency..... 15.7 %

### COMORBIDITIES:

Cancer..... 6.0 %

Chronic cardiovascular disease..... 41.2 %

Chronic liver disease..... 1.2 %

Chronic renal disease..... 2.5 %

Chronic pulmonary disease..... 16.5 %

Cerebrovascular degeneration..... 5.9 %

Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.5%

State ..... 15.7%

Outside State ..... 1.8%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 155

Occupancy Rate ..... 61.0 %

Ownership/Control..... Church

Medicare Discharges ..... 47.5 %

Case Mix Index (CMI) ..... 1.1905

### STAFFING:

Total Number of Physicians..... 43

Percent of Physicians Board  
Certified Specialists ..... 72.1 %

Medical Residents/Interns ..... 0

Registered Nurses..... 121

Licensed Practical Nurses ..... 44

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... Yes

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# PROVIDENCE MEDICAL CENTER

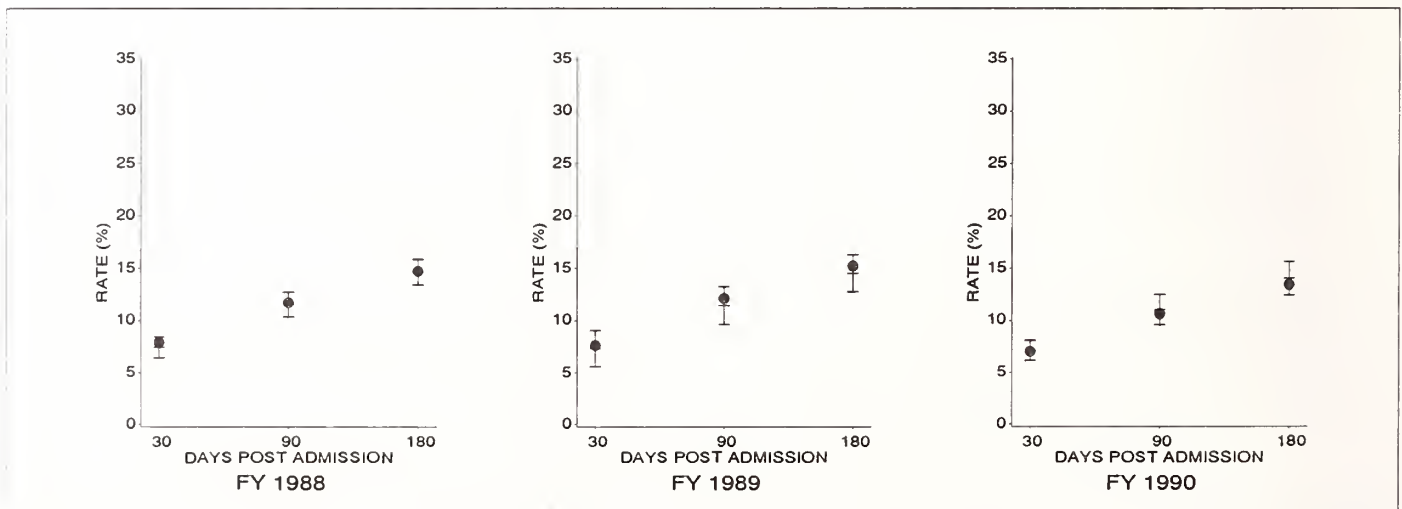
500 17TH AVE  
SEATTLE, WA 98122  
Medicare Provider Number: 500025

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3556            | 7.0                 | 7.1  | 0.5  | 10.6    | 11.0 | 0.7  | 13.4     | 14.0 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 76              | 21.1                | 25.4 | 5.7  | 25.0    | 28.4 | 5.6  | 26.3     | 31.1 | 6.2  |
| Congestive Heart Failure.....              | 121             | 9.9                 | 13.2 | 4.2  | 14.0    | 21.3 | 5.4  | 23.1     | 27.2 | 4.6  |
| Pneumonia/Influenza.....                   | 122             | 9.8                 | 14.3 | 4.9  | 18.9    | 19.9 | 5.0  | 21.3     | 23.9 | 4.3  |
| Chronic Obstructive Pulmonary Disease..... | 35              | 11.4                | 7.0  | ---- | 17.1    | 12.7 | ---- | 20.0     | 17.3 | ---- |
| Transient Cerebral Ischemia.....           | 20              | 0.0                 | 1.8  | ---- | 0.0     | 3.9  | ---- | 5.0      | 6.3  | ---- |
| Stroke.....                                | 111             | 11.7                | 18.3 | 4.9  | 17.1    | 24.2 | 5.4  | 19.8     | 28.1 | 6.0  |
| Hip Fracture.....                          | 78              | 10.3                | 7.7  | 4.3  | 15.4    | 13.5 | 4.3  | 16.7     | 17.4 | 4.9  |
| Sepsis.....                                | 44              | 22.7                | 19.2 | ---- | 36.4    | 26.0 | ---- | 43.2     | 30.2 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 160             | 1.2                 | 2.3  | 1.3  | 1.9     | 3.1  | 1.6  | 3.8      | 4.0  | 1.6  |
| Coronary Artery Bypass Graft.....          | 284             | 4.9                 | 4.7  | 1.5  | 6.3     | 6.8  | 1.6  | 7.4      | 7.9  | 2.0  |
| Initial Pacemaker Insertion.....           | 30              | 3.3                 | 2.2  | ---- | 3.3     | 4.5  | ---- | 3.3      | 6.5  | ---- |
| Carotid Endarterectomy.....                | 49              | 0.0                 | 1.4  | ---- | 0.0     | 2.8  | ---- | 0.0      | 4.2  | ---- |
| Hip Replacement/Reconstruction.....        | 97              | 4.1                 | 1.8  | 2.2  | 6.2     | 3.4  | 2.5  | 7.2      | 4.6  | 3.5  |
| Open Reduction of Hip Fracture.....        | 27              | 7.4                 | 8.0  | ---- | 11.1    | 13.7 | ---- | 11.1     | 17.7 | ---- |
| Prostatectomy.....                         | 117             | 0.0                 | 0.9  | 1.2  | 0.9     | 2.0  | 1.6  | 1.7      | 3.3  | 2.1  |
| Cholecystectomy.....                       | 49              | 4.1                 | 1.5  | ---- | 4.1     | 2.7  | ---- | 4.1      | 3.6  | ---- |
| Hysterectomy.....                          | 20              | 10.0                | 0.7  | ---- | 10.0    | 1.6  | ---- | 10.0     | 2.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# PROVIDENCE MEDICAL CENTER

Medicare Provider Number: 500025

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.2 years

Proportion female..... 48.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 63.5 %

Transferred from skilled nursing facility..... 1.0 %

Admitted for elective procedure..... 61.4 %

Admitted for emergency..... 27.6 %

### COMORBIDITIES:

Cancer..... 6.4 %

Chronic cardiovascular disease..... 40.0 %

Chronic liver disease..... 0.7 %

Chronic renal disease..... 2.8 %

Chronic pulmonary disease..... 13.6 %

Cerebrovascular degeneration..... 3.7 %

Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 77.4%

State ..... 19.8%

Outside State ..... 2.8%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 8.1 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 376

Occupancy Rate ..... 71.0 %

Ownership/Control..... Church

Medicare Discharges ..... 32.7 %

Case Mix Index (CMI) ..... 1.9292

### STAFFING:

Total Number of Physicians..... 314

Percent of Physicians Board  
Certified Specialists ..... 84.4 %

Medical Residents/Interns ..... 26

Registered Nurses..... 506

Licensed Practical Nurses ..... 12

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... No

Hospice Care ..... Yes

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# PUGET SOUND HOSPITAL

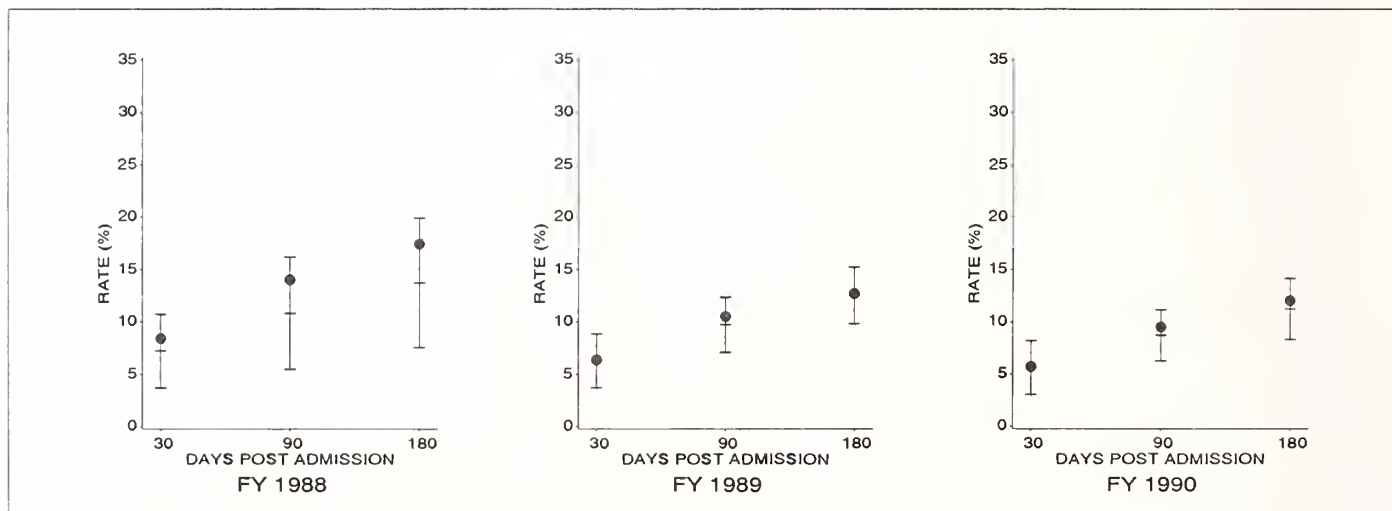
215 S 36TH ST  
TACOMA, WA 98408  
Medicare Provider Number: 500045

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 634                | 5.7                 | 5.6  | 1.3  | 9.5     | 8.7  | 1.2  | 12.0     | 11.2 | 1.5  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 8                  | 75.0                | 26.6 | ---- | 75.0    | 29.5 | ---- | 75.0     | 32.6 | ---- |
| Congestive Heart Failure.....              | 30                 | 3.3                 | 11.5 | ---- | 20.0    | 18.6 | ---- | 20.0     | 24.3 | ---- |
| Pneumonia/Influenza.....                   | 18                 | 16.7                | 12.6 | ---- | 16.7    | 18.2 | ---- | 16.7     | 21.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 19                 | 15.8                | 6.9  | ---- | 21.1    | 12.2 | ---- | 31.6     | 16.3 | ---- |
| Transient Cerebral Ischemia.....           | 10                 | 0.0                 | 1.3  | ---- | 10.0    | 3.1  | ---- | 10.0     | 5.4  | ---- |
| Stroke.....                                | 25                 | 16.0                | 18.1 | ---- | 20.0    | 23.6 | ---- | 24.0     | 27.4 | ---- |
| Hip Fracture.....                          | 20                 | 5.0                 | 4.5  | ---- | 5.0     | 8.0  | ---- | 10.0     | 10.8 | ---- |
| Sepsis.....                                | 7                  | 0.0                 | 13.1 | ---- | 0.0     | 15.9 | ---- | 0.0      | 19.1 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 1.7  | ---- | 0.0     | 3.6  | ---- | 0.0      | 5.8  | ---- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 0.6  | ---- | 0.0     | 1.3  | ---- | 0.0      | 2.1  | ---- |
| Hip Replacement/Reconstruction.....        | 23                 | 0.0                 | 3.1  | ---- | 4.3     | 5.8  | ---- | 13.0     | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 2                  | 0.0                 | 3.7  | ---- | 0.0     | 6.9  | ---- | 0.0      | 9.2  | ---- |
| Prostatectomy.....                         | 20                 | 0.0                 | 0.8  | ---- | 10.0    | 2.3  | ---- | 10.0     | 4.1  | ---- |
| Cholecystectomy.....                       | 40                 | 2.5                 | 2.2  | ---- | 2.5     | 4.2  | ---- | 2.5      | 5.5  | ---- |
| Hysterectomy.....                          | 8                  | 0.0                 | 0.4  | ---- | 0.0     | 1.0  | ---- | 12.5     | 1.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# PUGET SOUND HOSPITAL

Medicare Provider Number: 500045

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 71.3 years  
Proportion female..... 53.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 59.8 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 59.6 %  
Admitted for emergency..... 39.7 %

### COMORBIDITIES:

Cancer..... 5.0 %  
Chronic cardiovascular disease..... 18.9 %  
Chronic liver disease..... 2.8 %  
Chronic renal disease..... 1.6 %  
Chronic pulmonary disease..... 27.6 %  
Cerebrovascular degeneration..... 4.6 %  
Diabetes mellitus..... 4.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 86.4%  
State..... 12.2%  
Outside State..... 1.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.9 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 146  
Occupancy Rate..... 57.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges..... 30.4 %  
Case Mix Index (CMI)..... 1.2282

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists..... (Not Available)  
Medical Residents/Interns..... 0  
Registered Nurses..... 35  
Licensed Practical Nurses..... 19

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... No  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# QUINCY VALLEY HOSPITAL

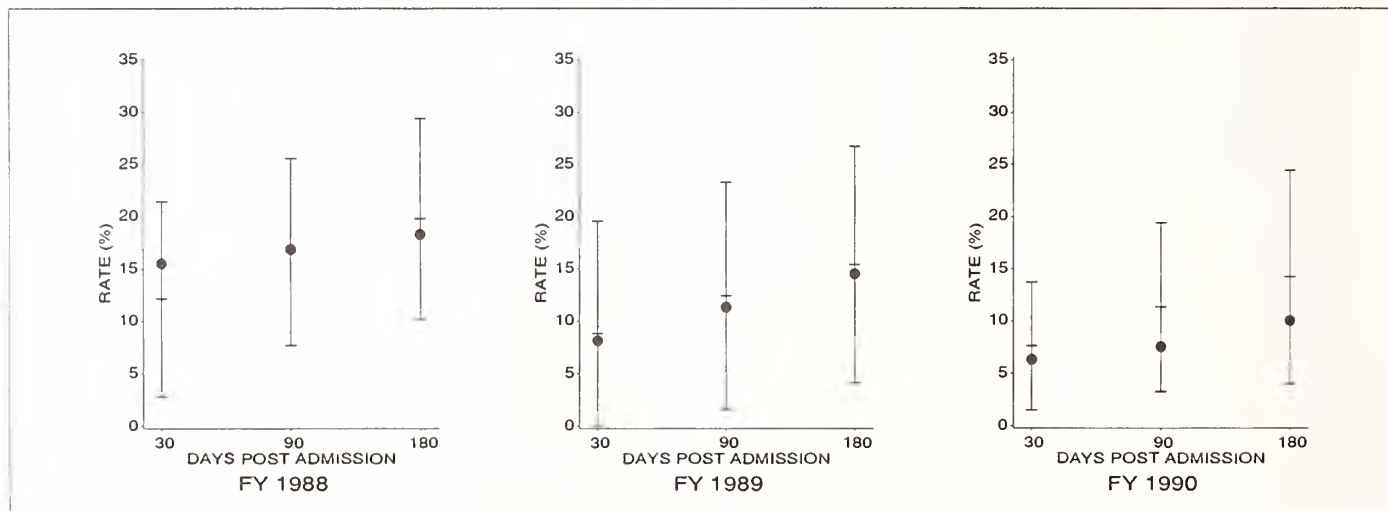
908 TENTH AVE SW, BOX 1048  
QUINCY, WA 98848  
Medicare Provider Number: 500106

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 80              | 6.3                 | 7.6  | 3.1   | 7.5     | 11.3 | 4.0   | 10.0     | 14.2 | 5.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5               | 0.0                 | 33.1 | ----- | 0.0     | 35.9 | ----- | 0.0      | 38.7 | ----- |
| Congestive Heart Failure.....              | 0               |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 5               | 0.0                 | 12.9 | ----- | 0.0     | 17.8 | ----- | 0.0      | 21.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 5.1  | ----- | 0.0     | 9.2  | ----- | 0.0      | 13.0 | ----- |
| Transient Cerebral Ischemia.....           | 3               | 0.0                 | 1.3  | ----- | 0.0     | 3.0  | ----- | 0.0      | 5.1  | ----- |
| Stroke.....                                | 6               | 16.7                | 11.5 | ----- | 16.7    | 16.4 | ----- | 33.3     | 19.3 | ----- |
| Hip Fracture.....                          | 0               |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1               | 100.0               | 33.4 | ----- | 100.0   | 51.7 | ----- | 100.0    | 59.4 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.3  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 2.0  | ----- | 0.0     | 4.9  | ----- | 0.0      | 8.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# QUINCY VALLEY HOSPITAL

Medicare Provider Number: 500106

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.5 years  
Proportion female..... 42.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.5 %  
Transferred from skilled nursing facility..... 1.3 %  
Admitted for elective procedure..... 6.3 %  
Admitted for emergency..... 72.5 %

### COMORBIDITIES:

Cancer..... 2.5 %  
Chronic cardiovascular disease..... 28.8 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 7.5 %  
Chronic pulmonary disease..... 20.0 %  
Cerebrovascular degeneration..... 7.5 %  
Diabetes mellitus..... 2.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 85.6%  
State ..... 11.0%  
Outside State ..... 3.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.6 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 38  
Occupancy Rate ..... 58.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 37.2 %  
Case Mix Index (CMI) ..... 0.9047

### STAFFING:

Total Number of Physicians..... 31  
Percent of Physicians Board  
Certified Specialists ..... 90.3 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 6  
Licensed Practical Nurses ..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# RIVERTON GENERAL HOSPITAL

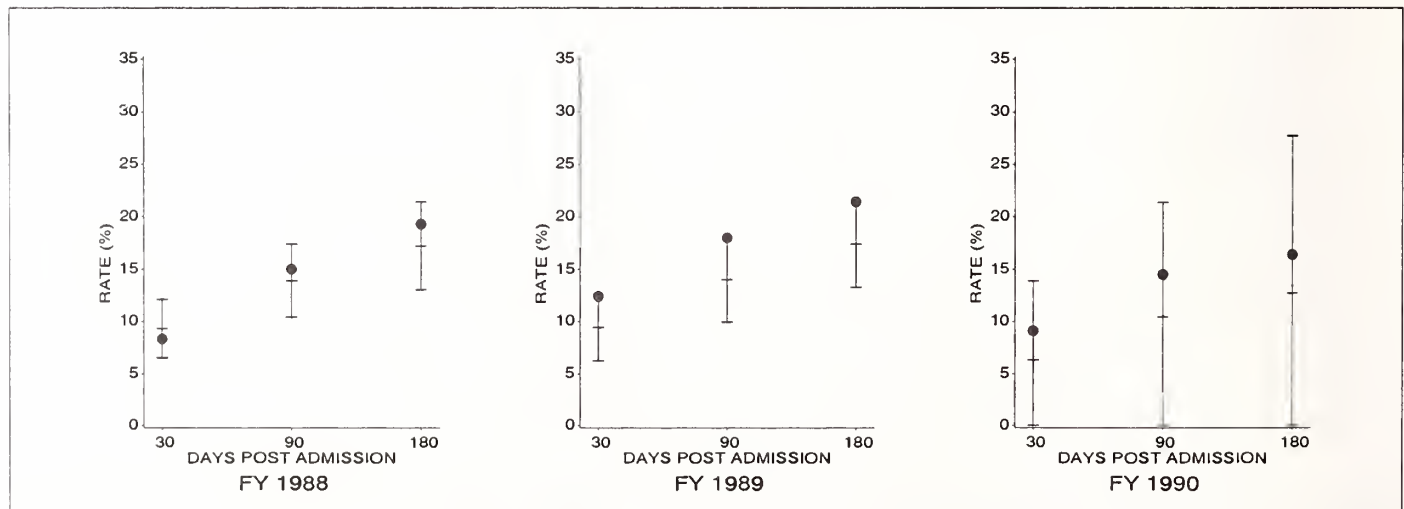
12844 MILITARY ROAD  
SEATTLE, WA 98168  
Medicare Provider Number: 500087

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 55              | 9.1                 | 6.3  | 3.8  | 14.5    | 10.4 | 5.5  | 16.4     | 12.7 | 7.5  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Congestive Heart Failure.....              | 1               | 0.0                 | 9.7  | ---- | 0.0     | 15.9 | ---- | 0.0      | 19.5 | ---- |
| Pneumonia/Influenza.....                   | 3               | 66.7                | 25.6 | ---- | 66.7    | 35.1 | ---- | 66.7     | 38.8 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |      |         |      |      |          |      |      |
| Transient Cerebral Ischemia.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Stroke.....                                | 3               | 33.3                | 21.6 | ---- | 33.3    | 33.5 | ---- | 33.3     | 38.1 | ---- |
| Hip Fracture.....                          | 5               | 20.0                | 6.4  | ---- | 20.0    | 12.7 | ---- | 20.0     | 16.7 | ---- |
| Sepsis.....                                | 1               | 0.0                 | 7.1  | ---- | 0.0     | 11.4 | ---- | 0.0      | 13.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 2               | 0.0                 | 4.9  | ---- | 0.0     | 10.4 | ---- | 0.0      | 14.1 | ---- |
| Open Reduction of Hip Fracture.....        | 2               | 50.0                | 7.4  | ---- | 50.0    | 15.1 | ---- | 50.0     | 20.3 | ---- |
| Prostatectomy.....                         | 0               |                     |      |      |         |      |      |          |      |      |
| Cholecystectomy.....                       | 0               |                     |      |      |         |      |      |          |      |      |
| Hysterectomy.....                          | 0               |                     |      |      |         |      |      |          |      |      |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# RIVERTON GENERAL HOSPITAL

Medicare Provider Number: 500087

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.8 years  
Proportion female..... 61.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.5 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 20.0 %  
Admitted for emergency..... 47.3 %

### COMORBIDITIES:

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 23.6 %  
Chronic liver disease..... 3.6 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 7.3 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 9.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 90.9%  
State..... 2.6%  
Outside State ..... 6.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.4 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 142  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 1.1146

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses ..... 85  
Licensed Practical Nurses ..... 6

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... No  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SACRED HEART MEDICAL CENTER

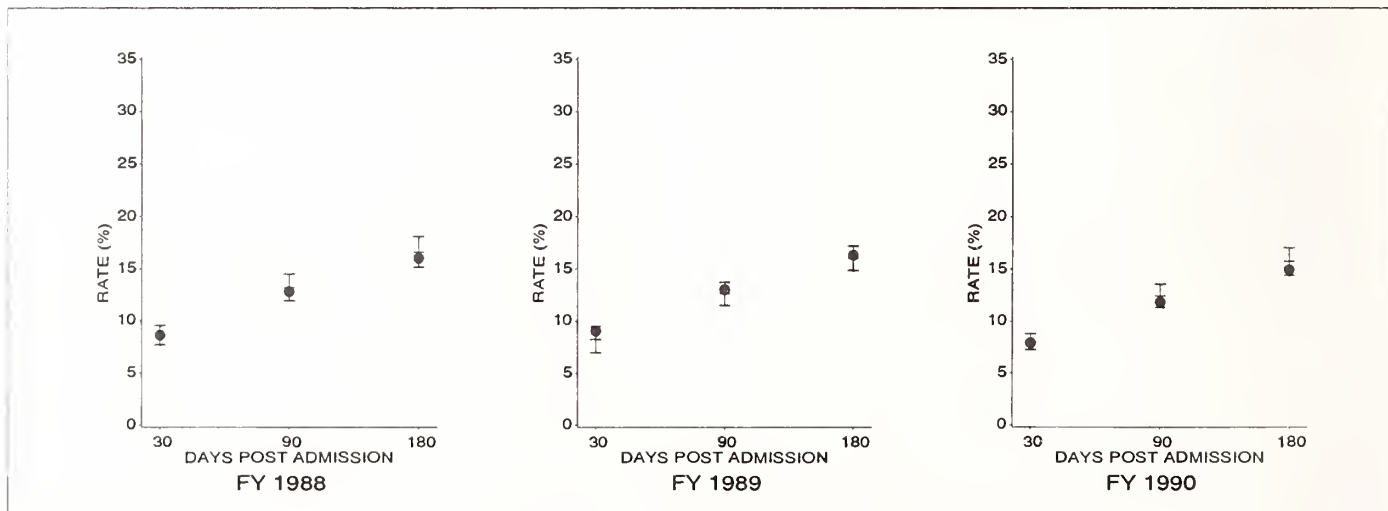
W 101 EIGHTH AVE  
SPOKANE, WA 99204  
Medicare Provider Number: 500054

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5041            | 7.9                 | 8.0  | 0.4   | 11.8    | 12.4 | 0.6   | 14.9     | 15.7 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 253             | 14.6                | 20.9 | 3.2   | 17.0    | 23.9 | 3.4   | 18.6     | 26.4 | 3.7   |
| Congestive Heart Failure.....              | 197             | 16.8                | 14.0 | 3.3   | 24.9    | 22.2 | 4.0   | 34.5     | 28.1 | 5.4   |
| Pneumonia/Influenza.....                   | 146             | 13.0                | 13.3 | 3.1   | 14.4    | 18.8 | 3.9   | 17.1     | 22.5 | 4.3   |
| Chronic Obstructive Pulmonary Disease..... | 78              | 11.5                | 7.7  | 3.9   | 21.8    | 13.3 | 7.0   | 25.6     | 17.5 | 8.3   |
| Transient Cerebral Ischemia.....           | 20              | 10.0                | 1.4  | ----- | 10.0    | 3.3  | ----- | 10.0     | 5.2  | ----- |
| Stroke.....                                | 129             | 20.9                | 17.4 | 4.5   | 26.4    | 23.5 | 4.7   | 31.0     | 27.2 | 5.6   |
| Hip Fracture.....                          | 106             | 1.9                 | 5.9  | 4.2   | 10.4    | 10.8 | 3.0   | 13.2     | 14.3 | 3.6   |
| Sepsis.....                                | 47              | 17.0                | 18.6 | ----- | 25.5    | 26.4 | ----- | 29.8     | 31.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 147             | 0.0                 | 2.8  | 3.0   | 0.0     | 3.7  | 3.6   | 0.7      | 4.6  | 3.4   |
| Coronary Artery Bypass Graft.....          | 268             | 2.2                 | 5.2  | 1.7   | 2.6     | 7.3  | 2.1   | 2.6      | 8.3  | 2.3   |
| Initial Pacemaker Insertion.....           | 47              | 0.0                 | 2.1  | ----- | 4.3     | 4.4  | ----- | 8.5      | 6.7  | ----- |
| Carotid Endarterectomy.....                | 59              | 1.7                 | 1.3  | 1.6   | 1.7     | 2.4  | 2.1   | 3.4      | 3.5  | 2.4   |
| Hip Replacement/Reconstruction.....        | 142             | 0.0                 | 2.2  | 2.0   | 2.8     | 4.1  | 2.7   | 2.8      | 5.6  | 3.2   |
| Open Reduction of Hip Fracture.....        | 17              | 5.9                 | 5.5  | ----- | 17.6    | 10.1 | ----- | 17.6     | 13.4 | ----- |
| Prostatectomy.....                         | 223             | 0.9                 | 0.7  | 0.7   | 1.8     | 1.7  | 1.2   | 2.2      | 2.9  | 1.5   |
| Cholecystectomy.....                       | 124             | 1.6                 | 2.3  | 1.6   | 3.2     | 4.4  | 2.0   | 4.8      | 6.0  | 2.8   |
| Hysterectomy.....                          | 42              | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 2.4      | 1.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SACRED HEART MEDICAL CENTER

Medicare Provider Number: 500054

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.0 years  
Proportion female..... 49.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 61.9 %  
Transferred from skilled nursing facility..... 2.2 %  
Admitted for elective procedure..... 29.2 %  
Admitted for emergency..... 0.6 %

### COMORBIDITIES:

Cancer..... 8.3 %  
Chronic cardiovascular disease..... 40.4 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 5.6 %  
Chronic pulmonary disease..... 15.0 %  
Cerebrovascular degeneration..... 2.5 %  
Diabetes mellitus..... 5.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 66.7%  
State ..... 16.8%  
Outside State ..... 16.5%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 623  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 37.2 %  
Case Mix Index (CMI) ..... 1.7829

### STAFFING:

Total Number of Physicians..... 491  
Percent of Physicians Board  
Certified Specialists..... 81.1 %  
Medical Residents/Interns ..... 38  
Registered Nurses..... 718  
Licensed Practical Nurses ..... 216

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SAMARITAN HOSPITAL

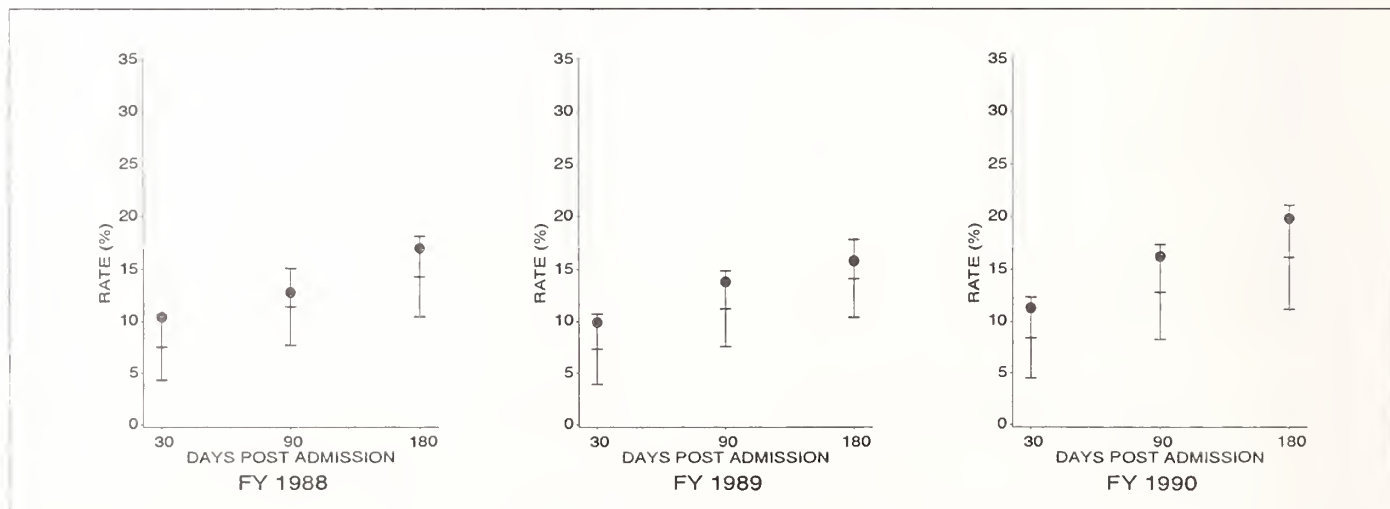
801 EAST WHEELER ROAD  
MOSES LAKE, WA 98837  
Medicare Provider Number: 500033

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 520             | 11.3                | 8.4  | 2.0   | 16.2    | 12.8 | 2.3   | 19.8     | 16.1 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 18              | 44.4                | 18.5 | ----- | 44.4    | 22.1 | ----- | 44.4     | 25.3 | ----- |
| Congestive Heart Failure.....              | 19              | 5.3                 | 14.9 | ----- | 15.8    | 23.6 | ----- | 26.3     | 29.8 | ----- |
| Pneumonia/Influenza.....                   | 33              | 9.1                 | 11.4 | ----- | 12.1    | 16.0 | ----- | 15.2     | 19.4 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 16              | 0.0                 | 8.1  | ----- | 6.3     | 14.8 | ----- | 12.5     | 19.6 | ----- |
| Transient Cerebral Ischemia.....           | 8               | 0.0                 | 1.6  | ----- | 0.0     | 3.8  | ----- | 0.0      | 6.2  | ----- |
| Stroke.....                                | 14              | 28.6                | 15.8 | ----- | 35.7    | 21.8 | ----- | 35.7     | 25.5 | ----- |
| Hip Fracture.....                          | 24              | 8.3                 | 5.0  | ----- | 16.7    | 9.3  | ----- | 20.8     | 12.3 | ----- |
| Sepsis.....                                | 19              | 31.6                | 24.5 | ----- | 31.6    | 31.0 | ----- | 31.6     | 35.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 23              | 13.0                | 3.5  | ----- | 17.4    | 6.9  | ----- | 21.7     | 9.7  | ----- |
| Open Reduction of Hip Fracture.....        | 2               | 0.0                 | 3.5  | ----- | 0.0     | 7.0  | ----- | 0.0      | 9.3  | ----- |
| Prostatectomy.....                         | 0               |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 27              | 3.7                 | 2.8  | ----- | 7.4     | 5.5  | ----- | 14.8     | 7.6  | ----- |
| Hysterectomy.....                          | 13              | 0.0                 | 1.0  | ----- | 7.7     | 2.2  | ----- | 7.7      | 3.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SAMARITAN HOSPITAL

Medicare Provider Number: 500033

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.9 years

Proportion female..... 57.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.8 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 0.2 %

Admitted for emergency..... 0.2 %

### COMORBIDITIES:

Cancer..... 5.8 %

Chronic cardiovascular disease..... 35.8 %

Chronic liver disease..... 1.2 %

Chronic renal disease..... 1.5 %

Chronic pulmonary disease..... 16.7 %

Cerebrovascular degeneration..... 4.4 %

Diabetes mellitus..... 6.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.6%

State ..... 14.8%

Outside State ..... 2.6%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.0 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 50

Occupancy Rate ..... 48.0 %

Ownership/Control..... District/Authority

Medicare Discharges ..... 29.8 %

Case Mix Index (CMI) ..... 1.2670

### STAFFING:

Total Number of Physicians..... 28

Percent of Physicians Board  
Certified Specialists..... 21.4 %

Medical Residents/Interns ..... 0

Registered Nurses..... 67

Licensed Practical Nurses ..... 10

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

**SCHICK-SHADEL HOSPITAL**12101 AMBAUM BOULEVARD SW  
SEATTLE, WA 98148

Medicare Provider Number: 500134

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |     |         |      |     |          |      |     |
|--------------------------------------------|--------------------|---------------------|------|-----|---------|------|-----|----------|------|-----|
|                                            |                    | 30 DAYS             |      |     | 90 DAYS |      |     | 180 DAYS |      |     |
|                                            |                    | OBS                 | PRED | SD* | OBS     | PRED | SD* | OBS      | PRED | SD* |
| ALL CAUSES.....                            | 54                 | 0.0                 | 0.3  | 1.8 | 1.9     | 0.9  | 2.2 | 1.9      | 1.6  | 3.2 |
| CONDITIONS:                                |                    |                     |      |     |         |      |     |          |      |     |
| Acute Myocardial Infarction.....           | 0                  |                     |      |     |         |      |     |          |      |     |
| Congestive Heart Failure.....              | 0                  |                     |      |     |         |      |     |          |      |     |
| Pneumonia/Influenza.....                   | 0                  |                     |      |     |         |      |     |          |      |     |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |     |         |      |     |          |      |     |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |     |         |      |     |          |      |     |
| Stroke.....                                | 0                  |                     |      |     |         |      |     |          |      |     |
| Hip Fracture.....                          | 0                  |                     |      |     |         |      |     |          |      |     |
| Sepsis.....                                | 0                  |                     |      |     |         |      |     |          |      |     |
| PROCEDURES:                                |                    |                     |      |     |         |      |     |          |      |     |
| Angioplasty.....                           | 0                  |                     |      |     |         |      |     |          |      |     |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |     |         |      |     |          |      |     |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |     |         |      |     |          |      |     |
| Carotid Endarterectomy.....                | 0                  |                     |      |     |         |      |     |          |      |     |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |     |         |      |     |          |      |     |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |     |         |      |     |          |      |     |
| Prostatectomy.....                         | 0                  |                     |      |     |         |      |     |          |      |     |
| Cholecystectomy.....                       | 0                  |                     |      |     |         |      |     |          |      |     |
| Hysterectomy.....                          | 0                  |                     |      |     |         |      |     |          |      |     |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# SCHICK-SHADEL HOSPITAL

Medicare Provider Number: 500134

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 55.5 years  
Proportion female..... 11.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 22.2 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 1.9 %  
Cerebrovascular degeneration..... 1.9 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 45.0%  
State ..... 41.4%  
Outside State ..... 13.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 63  
Occupancy Rate ..... 46.0 %  
Ownership/Control..... Private, For Profit  
Medicare Discharges ..... 8.1 %  
Case Mix Index (CMI) ..... 0.5607

### STAFFING:

Total Number of Physicians..... 2  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 0  
Registered Nurses..... 13  
Licensed Practical Nurses..... 7

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SKAGIT VALLEY HOSPITAL & HEALTH CENTER

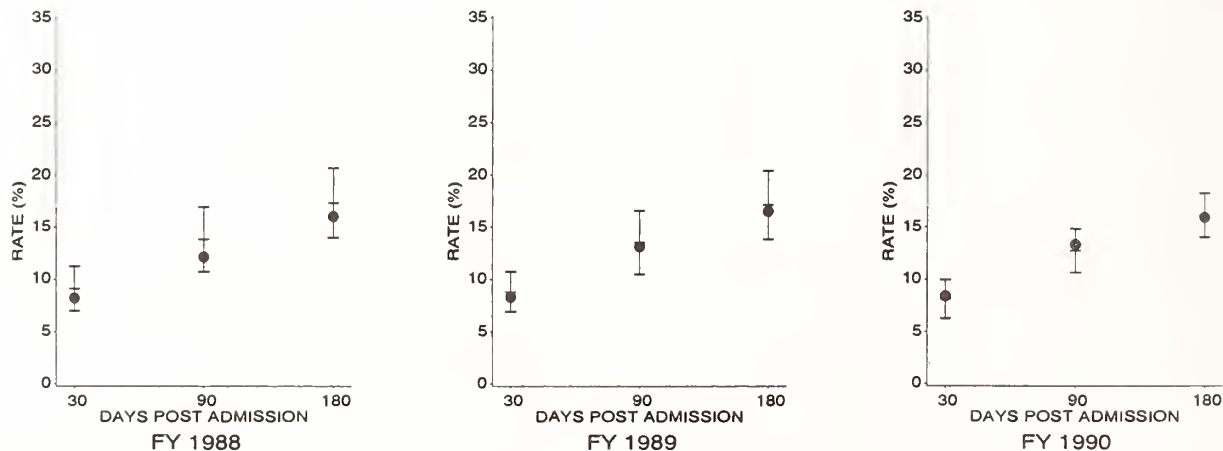
1415 KINCAID STREET  
MOUNT VERNON, WA 98273  
Medicare Provider Number: 500003

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1221            | 8.4                 | 8.1  | 0.9   | 13.3    | 12.7 | 1.1   | 15.9     | 16.1 | 1.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 42              | 23.8                | 26.1 | ----- | 35.7    | 29.0 | ----- | 38.1     | 31.8 | ----- |
| Congestive Heart Failure.....              | 51              | 11.8                | 15.5 | 6.0   | 23.5    | 24.3 | 6.2   | 29.4     | 30.3 | 6.7   |
| Pneumonia/Influenza.....                   | 64              | 9.4                 | 13.5 | 6.8   | 18.8    | 18.9 | 5.9   | 21.9     | 22.7 | 5.4   |
| Chronic Obstructive Pulmonary Disease..... | 17              | 0.0                 | 5.8  | ----- | 0.0     | 10.8 | ----- | 0.0      | 14.9 | ----- |
| Transient Cerebral Ischemia.....           | 9               | 0.0                 | 1.6  | ----- | 0.0     | 3.2  | ----- | 11.1     | 5.0  | ----- |
| Stroke.....                                | 42              | 19.0                | 20.0 | ----- | 23.8    | 26.6 | ----- | 26.2     | 30.4 | ----- |
| Hip Fracture.....                          | 37              | 8.1                 | 6.8  | ----- | 16.2    | 12.0 | ----- | 21.6     | 15.5 | ----- |
| Sepsis.....                                | 16              | 25.0                | 23.2 | ----- | 25.0    | 30.9 | ----- | 31.3     | 36.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 2               | 0.0                 | 5.8  | ----- | 0.0     | 6.4  | ----- | 0.0      | 7.3  | ----- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 7               | 0.0                 | 2.2  | ----- | 0.0     | 4.5  | ----- | 0.0      | 6.8  | ----- |
| Carotid Endarterectomy.....                | 18              | 0.0                 | 1.4  | ----- | 0.0     | 2.6  | ----- | 0.0      | 3.9  | ----- |
| Hip Replacement/Reconstruction.....        | 46              | 4.3                 | 1.5  | ----- | 6.5     | 2.7  | ----- | 8.7      | 3.8  | ----- |
| Open Reduction of Hip Fracture.....        | 8               | 0.0                 | 7.2  | ----- | 0.0     | 14.0 | ----- | 0.0      | 19.0 | ----- |
| Prostatectomy.....                         | 61              | 0.0                 | 0.7  | 1.2   | 1.6     | 1.7  | 2.0   | 1.6      | 3.1  | 2.7   |
| Cholecystectomy.....                       | 37              | 0.0                 | 2.3  | ----- | 2.7     | 3.7  | ----- | 2.7      | 4.7  | ----- |
| Hysterectomy.....                          | 22              | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.0  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SKAGIT VALLEY HOSPITAL & HEALTH CENTER

Medicare Provider Number: 500003

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.6 years |
| Proportion female.....        | 52.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 61.8 % |
| Transferred from skilled nursing facility..... | 0.1 %  |
| Admitted for elective procedure.....           | 31.1 % |
| Admitted for emergency.....                    | 10.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 11.0 % |
| Chronic cardiovascular disease..... | 32.3 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 1.7 %  |
| Chronic pulmonary disease.....      | 11.7 % |
| Cerebrovascular degeneration.....   | 3.8 %  |
| Diabetes mellitus.....              | 5.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 67.7%  |
| State .....         | 30.3%  |
| Outside State ..... | 2.0%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.0 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 137                |
| Ownership/Control.....     | District/Authority |
| Case Mix Index (CMI) ..... | 1.3962             |

### STAFFING:

|                                 |    |
|---------------------------------|----|
| Medical Residents/Interns ..... | 0  |
| Registered Nurses.....          | 97 |
| Licensed Practical Nurses.....  | 20 |

### SPECIALTY SERVICES:

|                           |     |
|---------------------------|-----|
| Burn Unit .....           | No  |
| Coronary Care Unit .....  | Yes |
| Hospice Care .....        | No  |
| Intensive Care Unit ..... | Yes |
| Organ Transplant .....    | No  |
| Trauma Center .....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug.....         | No  |
| Rehabilitation.....       | No  |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates



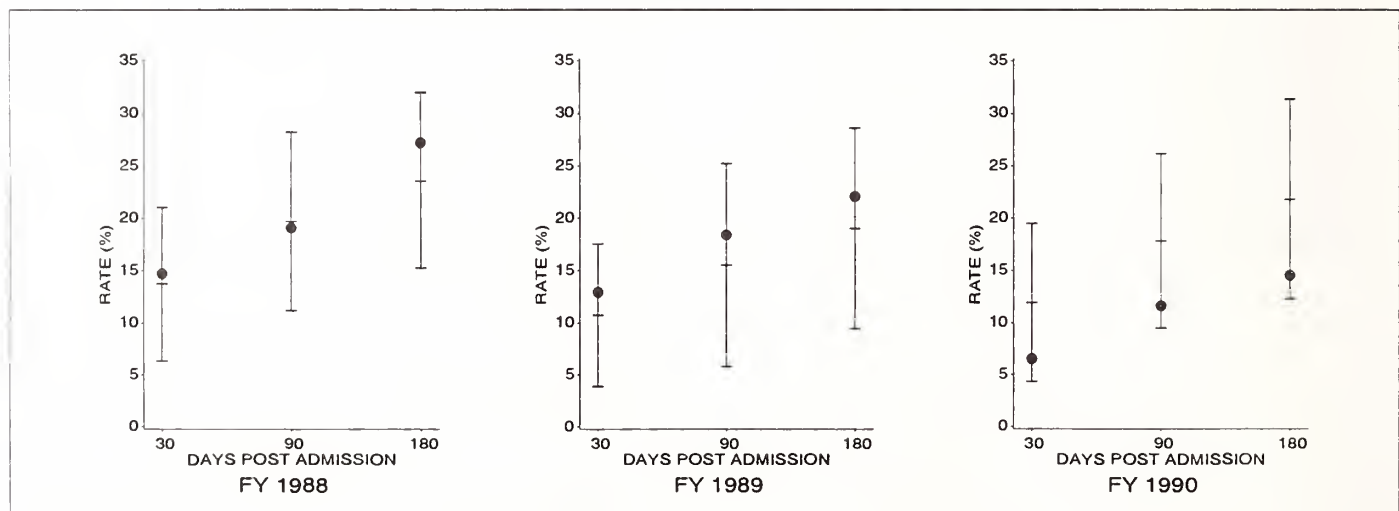
**SKYLINE HOSPITAL**  
211 SKYLINE DRIVE  
WHITE SALMON, WA 98672  
Medicare Provider Number: 500068

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 138                | 6.5                 | 11.9 | 3.8   | 11.6    | 17.8 | 4.2   | 14.5     | 21.8 | 4.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 5                  | 40.0                | 28.8 | ----- | 40.0    | 35.1 | ----- | 40.0     | 38.5 | ----- |
| Congestive Heart Failure.....              | 7                  | 14.3                | 31.4 | ----- | 14.3    | 36.8 | ----- | 28.6     | 41.6 | ----- |
| Pneumonia/Influenza.....                   | 10                 | 20.0                | 22.8 | ----- | 20.0    | 31.6 | ----- | 20.0     | 37.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8                  | 0.0                 | 4.2  | ----- | 12.5    | 8.5  | ----- | 12.5     | 11.9 | ----- |
| Transient Cerebral Ischemia.....           | 2                  | 0.0                 | 2.9  | ----- | 0.0     | 6.5  | ----- | 0.0      | 11.0 | ----- |
| Stroke.....                                | 3                  | 0.0                 | 21.5 | ----- | 33.3    | 29.9 | ----- | 33.3     | 35.2 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 3                  | 0.0                 | 44.0 | ----- | 0.0     | 59.6 | ----- | 33.3     | 66.3 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 2                  | 0.0                 | 0.9  | ----- | 0.0     | 2.5  | ----- | 0.0      | 4.5  | ----- |
| Cholecystectomy.....                       | 2                  | 0.0                 | 2.2  | ----- | 0.0     | 3.8  | ----- | 0.0      | 5.0  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$  SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**SKYLINE HOSPITAL**  
Medicare Provider Number: 500068

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 76.6 years  
Proportion female..... 53.6 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 38.4 %  
Transferred from skilled nursing facility..... 1.4 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 45.7 %

**COMORBIDITIES:**

Cancer..... 10.9 %  
Chronic cardiovascular disease..... 31.2 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 0.7 %  
Chronic pulmonary disease..... 16.7 %  
Cerebrovascular degeneration..... 5.8 %  
Diabetes mellitus..... 11.6 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City ..... 58.2%  
State ..... 33.6%  
Outside State ..... 8.2%  
Total ..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital ..... 4.7 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds ..... 27  
Occupancy Rate ..... 25.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.0434

**STAFFING:**

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

**SPECIALTY SERVICES:**

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# SNOQUALMIE VALLEY HOSPITAL

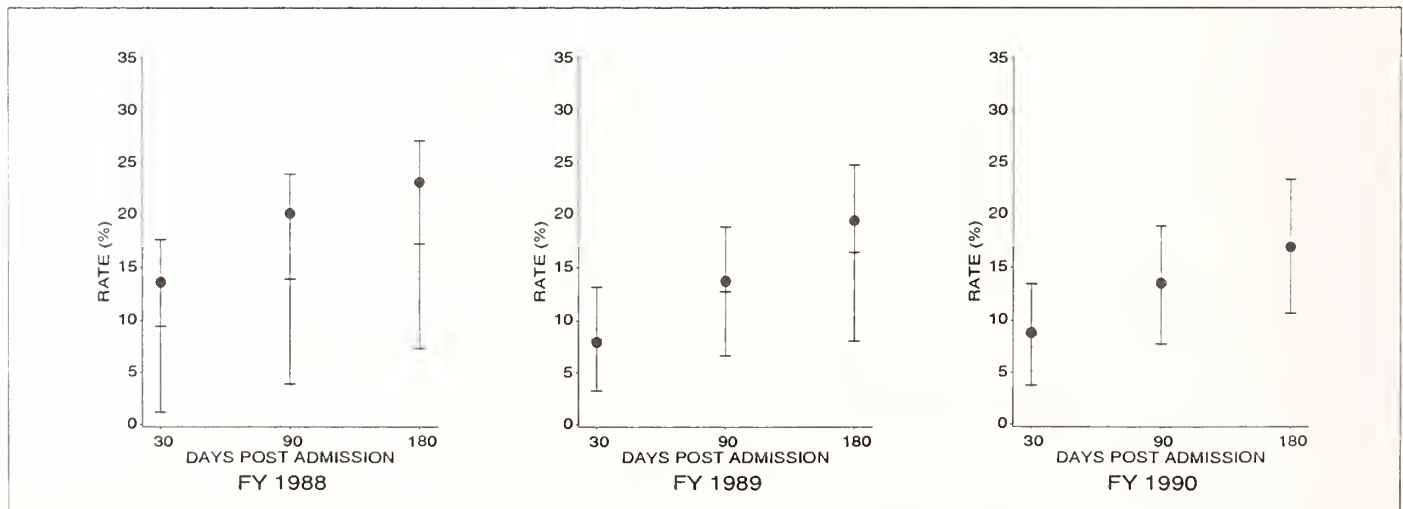
1505 MEADOWBROOK WAY SE  
SNOQUALMIE, WA 98065  
Medicare Provider Number: 500135

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 148             | 8.8                 | 8.6  | 2.4  | 13.5    | 13.3 | 2.8  | 16.9     | 17.0 | 3.2  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 5               | 0.0                 | 27.6 | ---- | 0.0     | 30.4 | ---- | 0.0      | 33.7 | ---- |
| Congestive Heart Failure.....              | 5               | 20.0                | 10.9 | ---- | 20.0    | 17.5 | ---- | 20.0     | 23.7 | ---- |
| Pneumonia/Influenza.....                   | 5               | 20.0                | 8.2  | ---- | 40.0    | 11.2 | ---- | 40.0     | 13.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 3               | 0.0                 | 8.3  | ---- | 0.0     | 14.4 | ---- | 0.0      | 18.8 | ---- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.2  | ---- | 0.0     | 3.0  | ---- | 0.0      | 5.1  | ---- |
| Stroke.....                                | 9               | 11.1                | 27.8 | ---- | 11.1    | 36.2 | ---- | 11.1     | 41.6 | ---- |
| Hip Fracture.....                          | 8               | 0.0                 | 5.2  | ---- | 0.0     | 9.3  | ---- | 12.5     | 12.1 | ---- |
| Sepsis.....                                | 2               | 100.0               | 26.3 | ---- | 100.0   | 34.4 | ---- | 100.0    | 38.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 0               |                     |      |      |         |      |      |          |      |      |
| Carotid Endarterectomy.....                | 0               |                     |      |      |         |      |      |          |      |      |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 4.9  | ---- | 0.0     | 9.2  | ---- | 0.0      | 12.3 | ---- |
| Open Reduction of Hip Fracture.....        | 0               |                     |      |      |         |      |      |          |      |      |
| Prostatectomy.....                         | 2               | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.6  | ---- |
| Cholecystectomy.....                       | 6               | 0.0                 | 1.2  | ---- | 0.0     | 2.3  | ---- | 0.0      | 3.0  | ---- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.0  | ---- | 0.0     | 0.1  | ---- | 0.0      | 0.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SNOQUALMIE VALLEY HOSPITAL

Medicare Provider Number: 500135

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.7 years |
| Proportion female.....        | 61.5 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 61.5 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 60.8 % |
| Admitted for emergency.....                    | 1.4 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.8 %  |
| Chronic cardiovascular disease..... | 38.5 % |
| Chronic liver disease.....          | 0.7 %  |
| Chronic renal disease.....          | 2.0 %  |
| Chronic pulmonary disease.....      | 11.5 % |
| Cerebrovascular degeneration.....   | 5.4 %  |
| Diabetes mellitus.....              | 8.1 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 91.9%  |
| State .....         | 3.6%   |
| Outside State ..... | 4.5%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 4.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 28     |
| Occupancy Rate .....       | 25.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 32.0 % |
| Case Mix Index (CMI) ..... | 1.1385 |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 16     |
| Percent of Physicians Board<br>Certified Specialists ..... | 93.8 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 22     |
| Licensed Practical Nurses .....                            | 3      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | Yes |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | No  |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | Yes |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SOUTHWEST WASHINGTON MEDICAL CENTER

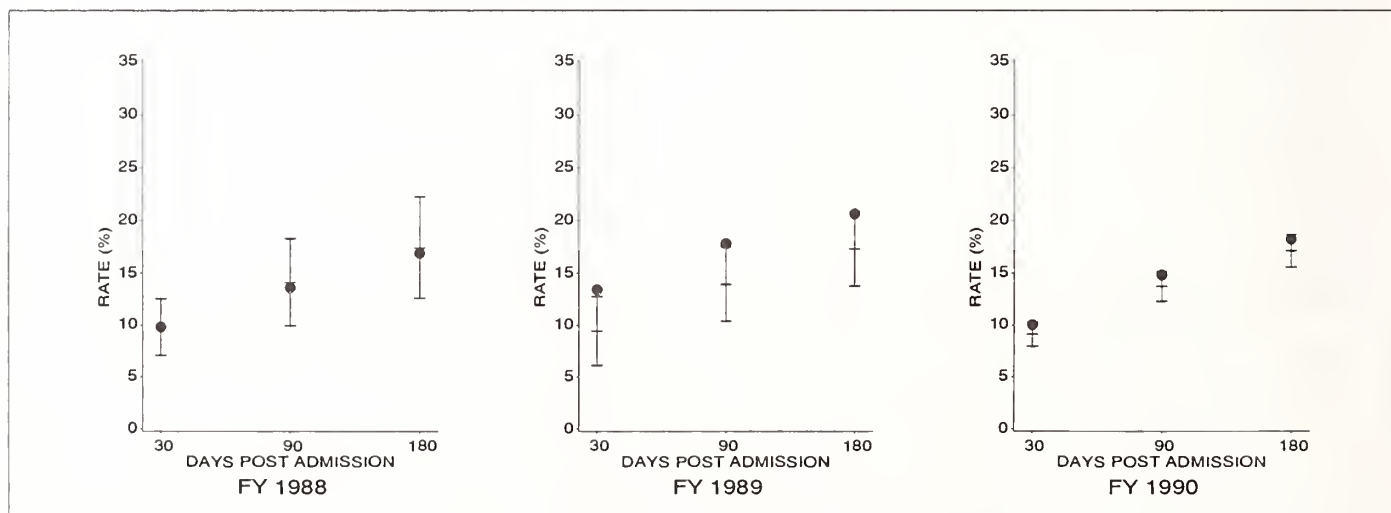
3400 MAIN STREET, BOX 1600  
VANCOUVER, WA 98663  
Medicare Provider Number: 500050

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3019            | 10.0                | 9.1  | 0.6  | 14.8    | 13.7 | 0.7  | 18.2     | 17.1 | 0.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 156             | 19.9                | 25.1 | 6.7  | 25.0    | 28.0 | 6.7  | 28.2     | 30.7 | 6.2  |
| Congestive Heart Failure.....              | 148             | 20.3                | 14.0 | 4.2  | 25.0    | 21.8 | 3.8  | 27.0     | 27.6 | 4.6  |
| Pneumonia/Influenza.....                   | 110             | 8.2                 | 13.1 | 4.1  | 16.4    | 18.6 | 4.0  | 22.7     | 22.4 | 4.6  |
| Chronic Obstructive Pulmonary Disease..... | 36              | 11.1                | 7.8  | ---- | 22.2    | 13.6 | ---- | 36.1     | 18.1 | ---- |
| Transient Cerebral Ischemia.....           | 50              | 8.0                 | 1.5  | ---- | 8.0     | 3.2  | ---- | 12.0     | 5.0  | ---- |
| Stroke.....                                | 144             | 18.7                | 17.7 | 3.6  | 22.9    | 24.1 | 3.7  | 25.0     | 27.7 | 4.5  |
| Hip Fracture.....                          | 121             | 7.4                 | 7.1  | 2.4  | 14.9    | 12.5 | 3.5  | 25.6     | 16.3 | 4.4  |
| Sepsis.....                                | 21              | 14.3                | 19.3 | ---- | 14.3    | 25.4 | ---- | 23.8     | 29.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 10              | 10.0                | 10.7 | ---- | 10.0    | 11.6 | ---- | 10.0     | 12.7 | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 14              | 0.0                 | 2.7  | ---- | 0.0     | 5.6  | ---- | 0.0      | 8.4  | ---- |
| Carotid Endarterectomy.....                | 25              | 0.0                 | 1.5  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.9  | ---- |
| Hip Replacement/Reconstruction.....        | 85              | 4.7                 | 3.5  | 2.1  | 8.2     | 6.3  | 3.1  | 11.8     | 8.5  | 4.3  |
| Open Reduction of Hip Fracture.....        | 44              | 6.8                 | 7.2  | ---- | 15.9    | 12.9 | ---- | 27.3     | 16.9 | ---- |
| Prostatectomy.....                         | 132             | 0.0                 | 0.5  | 0.8  | 1.5     | 1.3  | 1.0  | 3.0      | 2.3  | 1.8  |
| Cholecystectomy.....                       | 69              | 0.0                 | 1.9  | 2.4  | 2.9     | 3.5  | 3.4  | 4.3      | 4.8  | 4.0  |
| Hysterectomy.....                          | 37              | 0.0                 | 0.4  | ---- | 0.0     | 1.0  | ---- | 0.0      | 1.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SOUTHWEST WASHINGTON MEDICAL CENTER

Medicare Provider Number: 500050

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.5 years  
Proportion female..... 56.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 45.9 %  
Transferred from skilled nursing facility..... 0.5 %  
Admitted for elective procedure..... 23.4 %  
Admitted for emergency..... 11.3 %

### COMORBIDITIES:

Cancer..... 8.1 %  
Chronic cardiovascular disease..... 39.6 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 3.1 %  
Chronic pulmonary disease..... 17.8 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 7.4 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.0%  
State ..... 7.7%  
Outside State ..... 6.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.0 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 290  
Occupancy Rate ..... 67.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.8 %  
Case Mix Index (CMI) ..... 1.3042

### STAFFING:

Total Number of Physicians..... 205  
Percent of Physicians Board  
Certified Specialists ..... 82.4 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 340  
Licensed Practical Nurses..... 36

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation ..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST CABRINI HOSPITAL OF SEATTLE

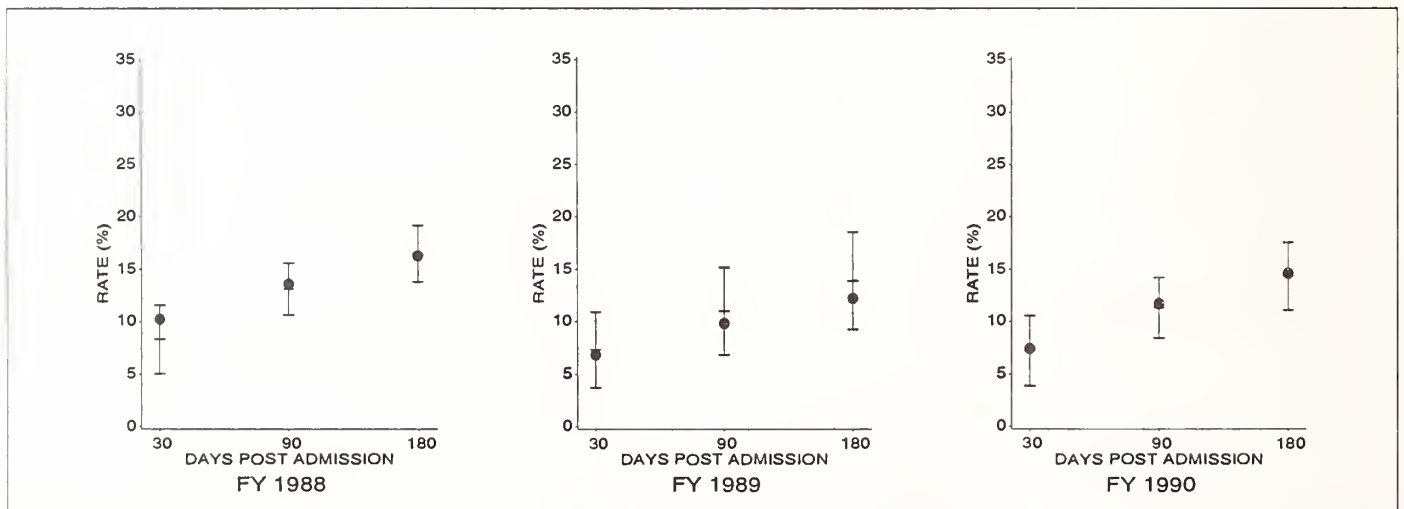
920 TERRY AVE  
SEATTLE, WA 98104  
Medicare Provider Number: 500034

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 596                | 7.4                 | 7.2  | 1.7  | 11.7    | 11.3 | 1.5  | 14.6     | 14.3 | 1.6  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 8                  | 37.5                | 40.5 | ---- | 50.0    | 45.3 | ---- | 62.5     | 48.4 | ---- |
| Congestive Heart Failure.....              | 18                 | 16.7                | 14.9 | ---- | 27.8    | 22.8 | ---- | 27.8     | 28.8 | ---- |
| Pneumonia/Influenza.....                   | 26                 | 11.5                | 12.4 | ---- | 11.5    | 17.0 | ---- | 19.2     | 20.4 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 6                  | 16.7                | 7.4  | ---- | 16.7    | 14.4 | ---- | 16.7     | 19.6 | ---- |
| Transient Cerebral Ischemia.....           | 3                  | 0.0                 | 1.5  | ---- | 33.3    | 3.7  | ---- | 33.3     | 6.4  | ---- |
| Stroke.....                                | 12                 | 41.7                | 26.4 | ---- | 50.0    | 33.1 | ---- | 58.3     | 37.8 | ---- |
| Hip Fracture.....                          | 12                 | 8.3                 | 5.0  | ---- | 8.3     | 9.4  | ---- | 8.3      | 12.8 | ---- |
| Sepsis.....                                | 9                  | 22.2                | 22.5 | ---- | 44.4    | 29.9 | ---- | 44.4     | 34.0 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0                  |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2                  | 0.0                 | 4.4  | ---- | 50.0    | 9.1  | ---- | 50.0     | 13.1 | ---- |
| Carotid Endarterectomy.....                | 2                  | 0.0                 | 1.8  | ---- | 0.0     | 3.1  | ---- | 0.0      | 4.2  | ---- |
| Hip Replacement/Reconstruction.....        | 7                  | 0.0                 | 3.1  | ---- | 0.0     | 6.1  | ---- | 0.0      | 8.6  | ---- |
| Open Reduction of Hip Fracture.....        | 4                  | 0.0                 | 2.9  | ---- | 0.0     | 5.6  | ---- | 0.0      | 7.8  | ---- |
| Prostatectomy.....                         | 10                 | 20.0                | 2.9  | ---- | 20.0    | 6.8  | ---- | 20.0     | 10.5 | ---- |
| Cholecystectomy.....                       | 6                  | 16.7                | 5.8  | ---- | 16.7    | 11.0 | ---- | 16.7     | 14.8 | ---- |
| Hysterectomy.....                          | 1                  | 0.0                 | 0.6  | ---- | 0.0     | 1.6  | ---- | 0.0      | 3.1  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST CABRINI HOSPITAL OF SEATTLE

Medicare Provider Number: 500034

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.8 years  
Proportion female..... 60.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 60.2 %  
Transferred from skilled nursing facility..... 0.2 %  
Admitted for elective procedure..... 13.3 %  
Admitted for emergency..... 25.2 %

### COMORBIDITIES:

Cancer..... 5.4 %  
Chronic cardiovascular disease..... 19.8 %  
Chronic liver disease..... 3.4 %  
Chronic renal disease..... 1.0 %  
Chronic pulmonary disease..... 7.4 %  
Cerebrovascular degeneration..... 10.4 %  
Diabetes mellitus..... 3.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 78.6%  
State..... 17.8%  
Outside State ..... 3.6%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.5 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1985

### PROFILE:

Total Beds ..... 189  
Ownership/Control..... Church  
Case Mix Index (CMI) ..... 0.9970

### STAFFING:

Medical Residents/Interns ..... 1  
Registered Nurses..... 75  
Licensed Practical Nurses ..... 25

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

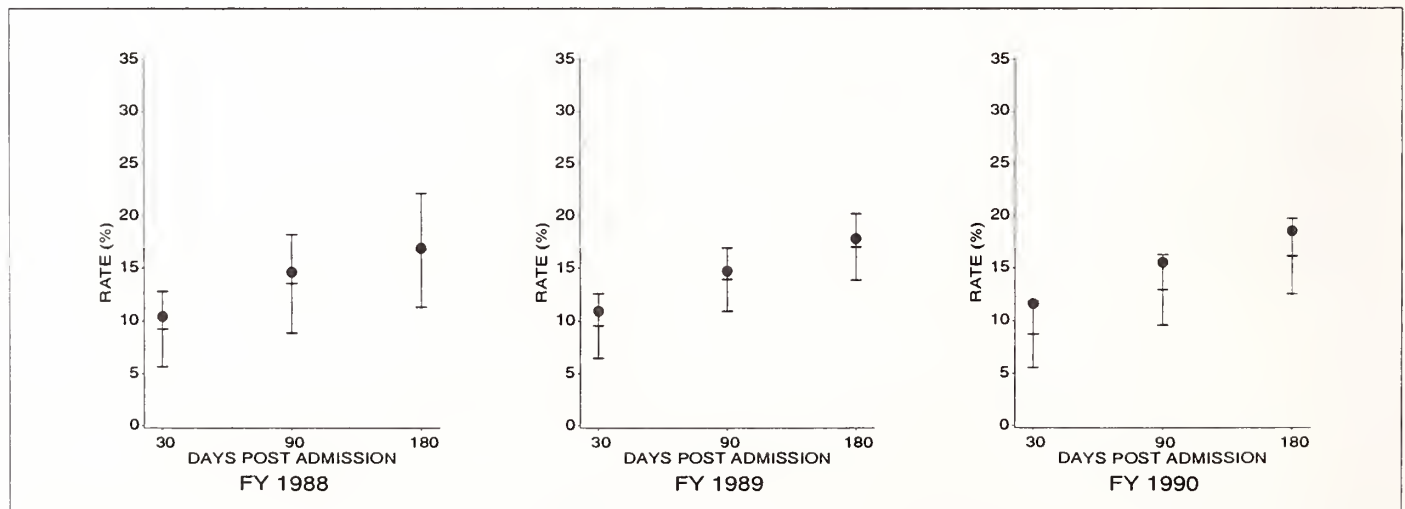
**ST CLARE HOSPITAL**  
 11315 BRIDGEPORT WAY S.W.  
 TACOMA, WA 98499  
 Medicare Provider Number: 500021

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 779                | 11.6                | 8.7  | 1.6   | 15.5    | 12.9 | 1.7   | 18.5     | 16.1 | 1.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 41                 | 34.1                | 27.7 | ----- | 36.6    | 30.5 | ----- | 39.0     | 33.1 | ----- |
| Congestive Heart Failure.....              | 54                 | 18.5                | 14.0 | 7.8   | 25.9    | 21.8 | 7.0   | 29.6     | 27.8 | 7.9   |
| Pneumonia/Influenza.....                   | 43                 | 14.0                | 15.3 | ----- | 18.6    | 21.1 | ----- | 27.9     | 25.0 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 30                 | 16.7                | 8.0  | ----- | 26.7    | 13.7 | ----- | 26.7     | 17.6 | ----- |
| Transient Cerebral Ischemia.....           | 6                  | 0.0                 | 2.2  | ----- | 0.0     | 5.1  | ----- | 0.0      | 7.9  | ----- |
| Stroke.....                                | 21                 | 14.3                | 18.2 | ----- | 14.3    | 23.0 | ----- | 19.0     | 26.4 | ----- |
| Hip Fracture.....                          | 35                 | 2.9                 | 7.0  | ----- | 8.6     | 12.5 | ----- | 14.3     | 16.2 | ----- |
| Sepsis.....                                | 10                 | 30.0                | 22.3 | ----- | 30.0    | 30.1 | ----- | 30.0     | 34.4 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4                  | 0.0                 | 3.8  | ----- | 0.0     | 7.3  | ----- | 0.0      | 11.0 | ----- |
| Carotid Endarterectomy.....                | 5                  | 0.0                 | 1.0  | ----- | 0.0     | 2.0  | ----- | 0.0      | 3.3  | ----- |
| Hip Replacement/Reconstruction.....        | 25                 | 4.0                 | 4.2  | ----- | 4.0     | 7.7  | ----- | 4.0      | 10.0 | ----- |
| Open Reduction of Hip Fracture.....        | 22                 | 0.0                 | 5.5  | ----- | 9.1     | 10.3 | ----- | 18.2     | 13.9 | ----- |
| Prostatectomy.....                         | 29                 | 0.0                 | 0.7  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.5  | ----- |
| Cholecystectomy.....                       | 19                 | 0.0                 | 2.0  | ----- | 5.3     | 4.0  | ----- | 5.3      | 5.7  | ----- |
| Hysterectomy.....                          | 16                 | 0.0                 | 0.3  | ----- | 0.0     | 0.6  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
 FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



# ST CLARE HOSPITAL

Medicare Provider Number: 500021

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.6 years |
| Proportion female.....        | 59.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 47.9 % |
| Transferred from skilled nursing facility..... | 1.2 %  |
| Admitted for elective procedure.....           | 24.8 % |
| Admitted for emergency.....                    | 59.3 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 5.1 %  |
| Chronic cardiovascular disease..... | 37.2 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 2.1 %  |
| Chronic pulmonary disease.....      | 25.0 % |
| Cerebrovascular degeneration.....   | 5.5 %  |
| Diabetes mellitus.....              | 5.9 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                    |        |
|--------------------|--------|
| County/City.....   | 89.5%  |
| State.....         | 6.0%   |
| Outside State..... | 4.5%   |
| Total.....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|               |          |
|---------------|----------|
| Hospital..... | 5.1 Days |
| State.....    | 6.4 Days |
| National..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1987

### PROFILE:

|                           |                     |
|---------------------------|---------------------|
| Total Beds.....           | 105                 |
| Ownership/Control.....    | Private, Non-Profit |
| Case Mix Index (CMI)..... | 1.2680              |

### STAFFING:

|                                |    |
|--------------------------------|----|
| Medical Residents/Interns..... | 0  |
| Registered Nurses.....         | 73 |
| Licensed Practical Nurses..... | 14 |

### SPECIALTY SERVICES:

|                          |     |
|--------------------------|-----|
| Burn Unit.....           | No  |
| Coronary Care Unit.....  | Yes |
| Hospice Care.....        | No  |
| Intensive Care Unit..... | Yes |
| Organ Transplant.....    | No  |
| Trauma Center.....       | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                          |     |
|--------------------------|-----|
| Alcohol/Drug.....        | Yes |
| Rehabilitation.....      | No  |
| Psychiatric.....         | No  |
| Medicare Swing Beds..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates



# ST ELIZABETH MEDICAL CENTER

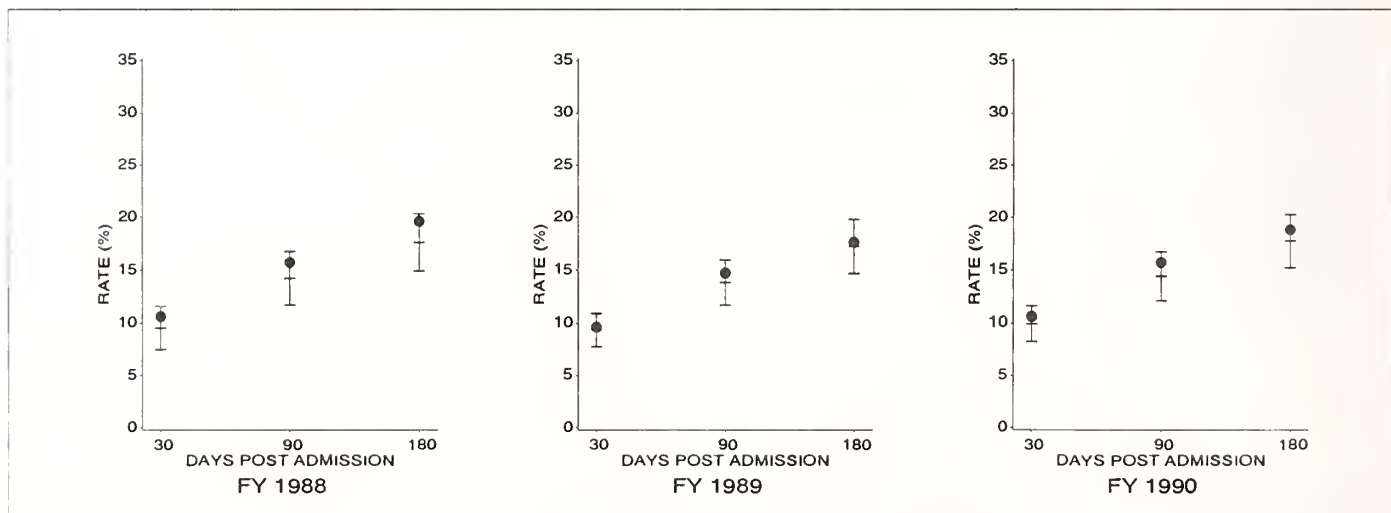
110 SOUTH NINTH AVE  
YAKIMA, WA 98902  
Medicare Provider Number: 500012

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1984            | 10.6                | 9.9  | 0.9  | 15.7    | 14.4 | 1.2  | 18.8     | 17.7 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 116             | 20.7                | 27.7 | 5.8  | 25.9    | 30.3 | 5.0  | 26.7     | 32.8 | 5.7  |
| Congestive Heart Failure.....              | 111             | 9.9                 | 15.6 | 6.1  | 21.6    | 23.6 | 5.8  | 25.2     | 29.6 | 6.2  |
| Pneumonia/Influenza.....                   | 86              | 20.9                | 16.1 | 8.3  | 29.1    | 22.2 | 9.0  | 32.6     | 26.1 | 8.8  |
| Chronic Obstructive Pulmonary Disease..... | 33              | 9.1                 | 9.5  | ---- | 15.2    | 16.1 | ---- | 27.3     | 21.1 | ---- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.2  | ---- | 0.0     | 3.0  | ---- | 0.0      | 5.0  | ---- |
| Stroke.....                                | 67              | 17.9                | 22.2 | 5.6  | 26.9    | 28.1 | 5.9  | 31.3     | 31.7 | 5.7  |
| Hip Fracture.....                          | 58              | 10.3                | 6.8  | 4.4  | 15.5    | 12.1 | 8.1  | 22.4     | 15.7 | 8.6  |
| Sepsis.....                                | 30              | 23.3                | 21.5 | ---- | 36.7    | 28.9 | ---- | 36.7     | 32.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 35              | 0.0                 | 2.8  | ---- | 0.0     | 3.4  | ---- | 0.0      | 4.1  | ---- |
| Coronary Artery Bypass Graft.....          | 61              | 4.9                 | 5.2  | 4.3  | 4.9     | 7.3  | 4.4  | 4.9      | 8.2  | 4.5  |
| Initial Pacemaker Insertion.....           | 16              | 6.3                 | 3.9  | ---- | 6.3     | 7.5  | ---- | 6.3      | 10.4 | ---- |
| Carotid Endarterectomy.....                | 7               | 0.0                 | 0.9  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.8  | ---- |
| Hip Replacement/Reconstruction.....        | 35              | 8.6                 | 2.5  | ---- | 8.6     | 4.3  | ---- | 11.4     | 5.7  | ---- |
| Open Reduction of Hip Fracture.....        | 33              | 6.1                 | 5.4  | ---- | 12.1    | 10.2 | ---- | 21.2     | 13.5 | ---- |
| Prostatectomy.....                         | 112             | 0.9                 | 0.7  | 0.8  | 1.8     | 1.7  | 1.4  | 2.7      | 3.0  | 2.3  |
| Cholecystectomy.....                       | 38              | 2.6                 | 1.9  | ---- | 2.6     | 3.2  | ---- | 2.6      | 4.2  | ---- |
| Hysterectomy.....                          | 10              | 0.0                 | 1.4  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.7  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST ELIZABETH MEDICAL CENTER

Medicare Provider Number: 500012

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.7 years  
Proportion female..... 48.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 49.6 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 31.6 %  
Admitted for emergency..... 47.7 %

### COMORBIDITIES:

Cancer..... 7.1 %  
Chronic cardiovascular disease..... 34.9 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 5.9 %  
Chronic pulmonary disease..... 11.5 %  
Cerebrovascular degeneration..... 2.1 %  
Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.8 %  
State ..... 9.9 %  
Outside State ..... 2.3 %  
Total ..... 100.0 %

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 184  
Occupancy Rate ..... 60.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 50.7 %  
Case Mix Index (CMI) ..... 1.5193

### STAFFING:

Total Number of Physicians..... 192  
Percent of Physicians Board  
Certified Specialists ..... 82.8 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 259  
Licensed Practical Nurses ..... 41

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST FRANCIS COMMUNITY HOSPITAL

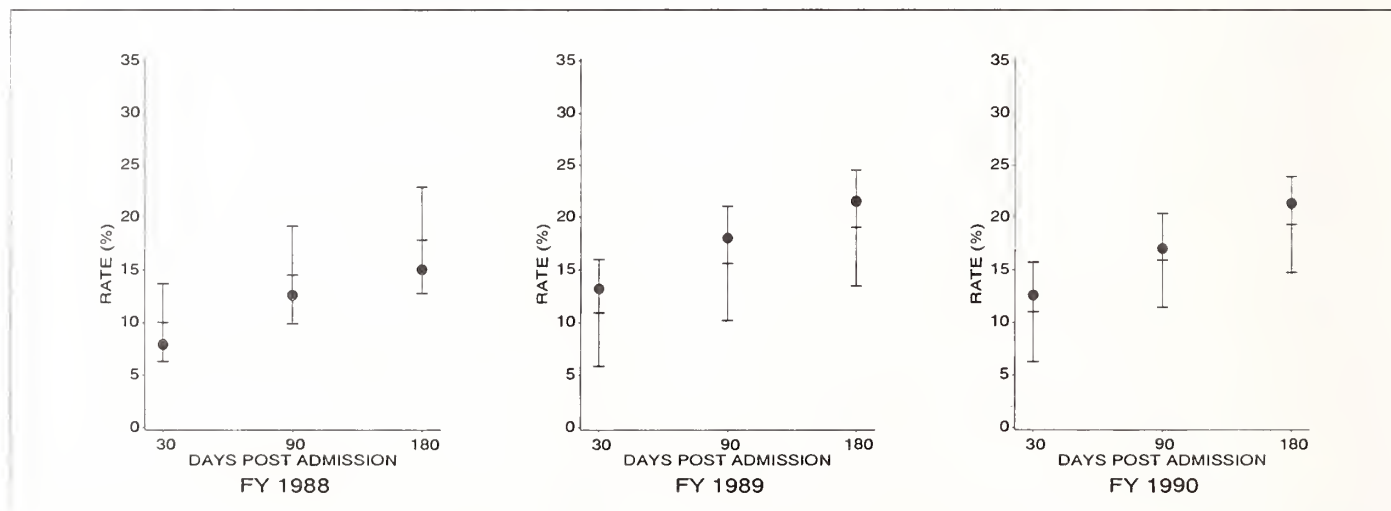
34515 - 9TH AVENUE SOUTH  
FEDERAL WAY, WA 98003  
Medicare Provider Number: 500141

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 587                | 12.6                | 11.0 | 2.4   | 17.0    | 15.9 | 2.2   | 21.3     | 19.3 | 2.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 32                 | 28.1                | 22.7 | ----- | 34.4    | 25.6 | ----- | 34.4     | 28.3 | ----- |
| Congestive Heart Failure.....              | 33                 | 24.2                | 14.8 | ----- | 33.3    | 22.6 | ----- | 36.4     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 39                 | 17.9                | 17.3 | ----- | 23.1    | 23.7 | ----- | 33.3     | 27.6 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 20                 | 5.0                 | 6.4  | ----- | 15.0    | 10.9 | ----- | 25.0     | 14.4 | ----- |
| Transient Cerebral Ischemia.....           | 7                  | 14.3                | 1.5  | ----- | 14.3    | 3.4  | ----- | 14.3     | 5.7  | ----- |
| Stroke.....                                | 24                 | 8.3                 | 20.0 | ----- | 8.3     | 25.9 | ----- | 8.3      | 29.8 | ----- |
| Hip Fracture.....                          | 21                 | 0.0                 | 6.2  | ----- | 0.0     | 10.9 | ----- | 9.5      | 14.2 | ----- |
| Sepsis.....                                | 2                  | 50.0                | 20.3 | ----- | 50.0    | 24.2 | ----- | 50.0     | 28.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 5.1  | ----- | 0.0     | 9.2  | ----- | 0.0      | 12.9 | ----- |
| Carotid Endarterectomy.....                | 1                  | 0.0                 | 0.4  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.3  | ----- |
| Hip Replacement/Reconstruction.....        | 8                  | 0.0                 | 2.3  | ----- | 0.0     | 4.4  | ----- | 0.0      | 6.2  | ----- |
| Open Reduction of Hip Fracture.....        | 13                 | 0.0                 | 6.8  | ----- | 0.0     | 12.2 | ----- | 15.4     | 16.0 | ----- |
| Prostatectomy.....                         | 4                  | 0.0                 | 0.5  | ----- | 0.0     | 1.0  | ----- | 0.0      | 1.7  | ----- |
| Cholecystectomy.....                       | 14                 | 7.1                 | 1.6  | ----- | 7.1     | 2.4  | ----- | 7.1      | 3.1  | ----- |
| Hysterectomy.....                          | 10                 | 0.0                 | 0.3  | ----- | 0.0     | 0.8  | ----- | 0.0      | 1.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST FRANCIS COMMUNITY HOSPITAL

Medicare Provider Number: 500141

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.0 years  
Proportion female..... 62.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 27.1 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 15.7 %  
Admitted for emergency..... 70.9 %

### COMORBIDITIES:

Cancer..... 4.9 %  
Chronic cardiovascular disease..... 41.6 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 2.6 %  
Chronic pulmonary disease..... 21.1 %  
Cerebrovascular degeneration..... 6.1 %  
Diabetes mellitus..... 9.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 76.3%  
State ..... 16.9%  
Outside State ..... 6.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 58  
Occupancy Rate ..... 75.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 20.7 %  
Case Mix Index (CMI) ..... 1.3017

### STAFFING:

Total Number of Physicians..... 130  
Percent of Physicians Board  
Certified Specialists ..... 74.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 113  
Licensed Practical Nurses ..... 1

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOHNS MEDICAL CENTER

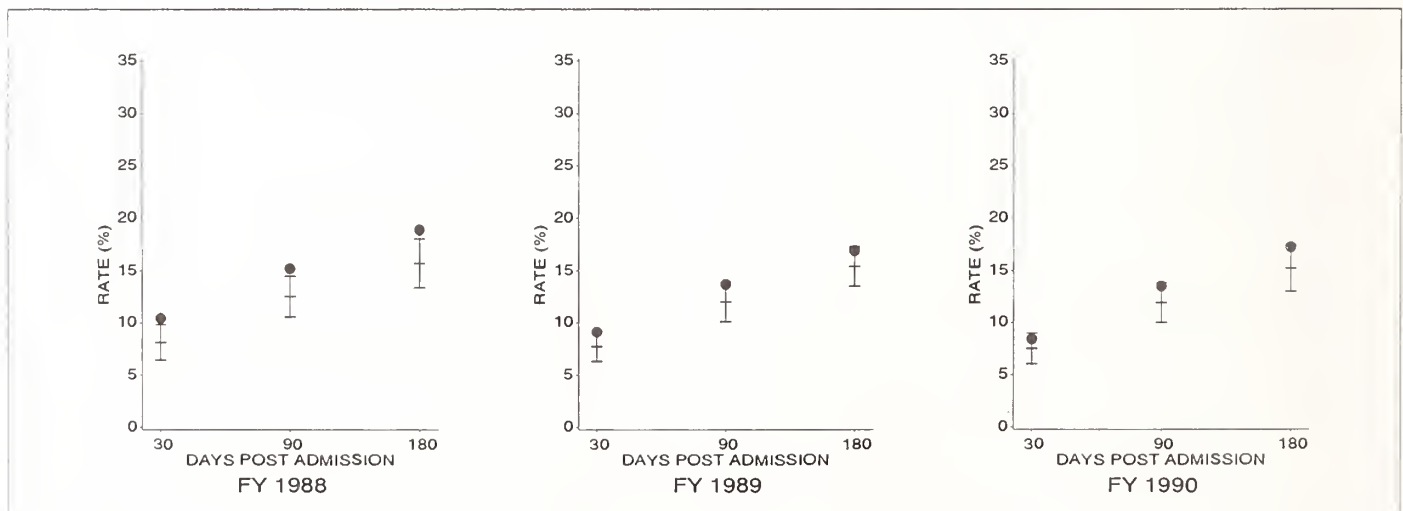
1614 E KESSLER BLVD, BOX 998  
LONGVIEW, WA 98632  
Medicare Provider Number: 500041

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2209            | 8.4                 | 7.5  | 0.7  | 13.5    | 11.9 | 1.0  | 17.2     | 15.2 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 53              | 26.4                | 20.0 | 7.8  | 32.1    | 22.5 | 9.2  | 32.1     | 24.9 | 9.2  |
| Congestive Heart Failure.....              | 123             | 20.3                | 14.4 | 4.6  | 33.3    | 22.6 | 6.3  | 39.8     | 28.5 | 6.6  |
| Pneumonia/Influenza.....                   | 124             | 11.3                | 14.9 | 4.9  | 13.7    | 20.7 | 5.7  | 16.1     | 24.6 | 6.1  |
| Chronic Obstructive Pulmonary Disease..... | 51              | 9.8                 | 8.8  | 5.3  | 19.6    | 14.9 | 6.5  | 23.5     | 19.6 | 8.8  |
| Transient Cerebral Ischemia.....           | 18              | 0.0                 | 2.1  | ---- | 0.0     | 5.0  | ---- | 16.7     | 8.2  | ---- |
| Stroke.....                                | 106             | 16.0                | 16.5 | 3.8  | 23.6    | 23.1 | 4.1  | 27.4     | 26.9 | 4.8  |
| Hip Fracture.....                          | 47              | 2.1                 | 6.5  | ---- | 4.3     | 11.3 | ---- | 10.6     | 14.8 | ---- |
| Sepsis.....                                | 23              | 21.7                | 22.6 | ---- | 30.4    | 31.8 | ---- | 34.8     | 36.9 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 28              | 7.1                 | 2.6  | ---- | 7.1     | 5.4  | ---- | 17.9     | 8.0  | ---- |
| Carotid Endarterectomy.....                | 29              | 0.0                 | 1.4  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.7  | ---- |
| Hip Replacement/Reconstruction.....        | 44              | 2.3                 | 3.1  | ---- | 2.3     | 5.5  | ---- | 4.5      | 7.3  | ---- |
| Open Reduction of Hip Fracture.....        | 17              | 0.0                 | 7.1  | ---- | 5.9     | 12.9 | ---- | 5.9      | 17.3 | ---- |
| Prostatectomy.....                         | 81              | 0.0                 | 0.9  | 1.3  | 2.5     | 2.2  | 1.7  | 4.9      | 3.7  | 2.6  |
| Cholecystectomy.....                       | 53              | 1.9                 | 1.2  | 1.8  | 1.9     | 2.3  | 2.1  | 1.9      | 3.1  | 2.8  |
| Hysterectomy.....                          | 23              | 0.0                 | 0.2  | ---- | 0.0     | 0.5  | ---- | 0.0      | 0.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST JOHNS MEDICAL CENTER

Medicare Provider Number: 500041

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 55.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 37.5 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 37.4 %  
Chronic liver disease..... 0.9 %  
Chronic renal disease..... 3.2 %  
Chronic pulmonary disease..... 17.9 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 7.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 77.0%  
State ..... 9.9%  
Outside State ..... 13.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.2 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 178  
Occupancy Rate ..... 57.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 31.4 %  
Case Mix Index (CMI) ..... 1.2006

### STAFFING:

Total Number of Physicians..... 121  
Percent of Physicians Board  
Certified Specialists ..... 76.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 241  
Licensed Practical Nurses..... 32

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH COMMUNITY HOSPITAL

600 NE 92ND AVENUE  
VANCOUVER, WA 98664  
Medicare Provider Number: 500114

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2                  | 0.0                 | 2.1  | ----- | 0.0     | 3.5  | ----- | 0.0      | 4.3  | ----- |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Congestive Heart Failure.....              | 0                  |                     |      |       |         |      |       |          |      |       |
| Pneumonia/Influenza.....                   | 0                  |                     |      |       |         |      |       |          |      |       |
| Chronic Obstructive Pulmonary Disease..... | 0                  |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 0                  |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES

No Graphs are presented when the standard deviation  
was not computed for one or more of the three fiscal years,  
(1988, 1989, or 1990)

# ST JOSEPH COMMUNITY HOSPITAL

Medicare Provider Number: 500114

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 62.5 years  
Proportion female..... 50.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 0.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 50.0 %  
Admitted for emergency..... 0.0 %

### COMORBIDITIES:

Cancer..... 0.0 %  
Chronic cardiovascular disease..... 0.0 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 0.0 %  
Chronic pulmonary disease..... 0.0 %  
Cerebrovascular degeneration..... 0.0 %  
Diabetes mellitus..... 0.0 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 100.0%  
State ..... 0.0%  
Outside State ..... 0.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 15.5 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1987

### PROFILE:

Total Beds ..... 243  
Ownership/Control..... Private, Non-Profit  
Case Mix Index (CMI) ..... 0.9746

### STAFFING:

Medical Residents/Interns ..... 3  
Registered Nurses..... 188  
Licensed Practical Nurses ..... 23

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPH HOSPITAL HEALTH CARE CENTER

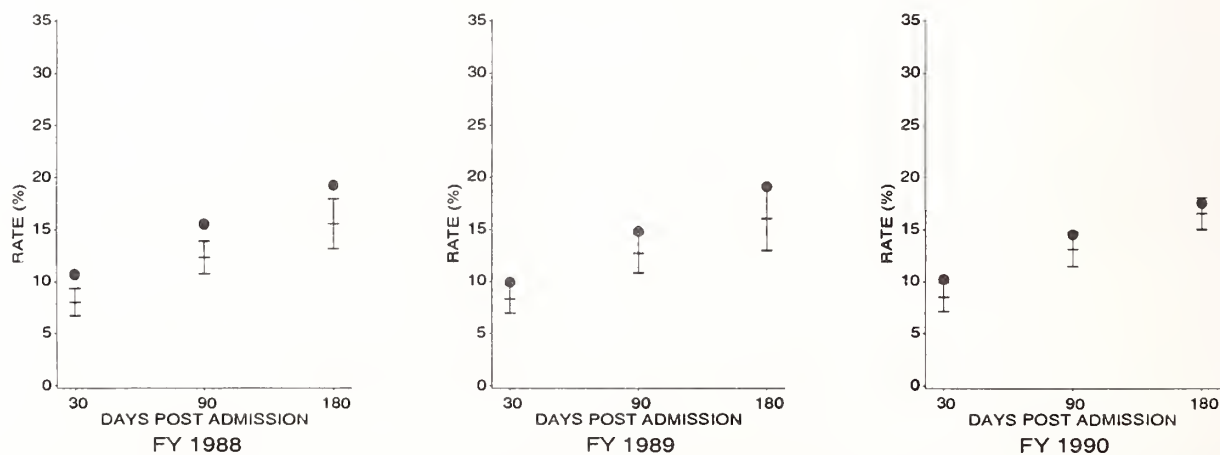
1718 SOUTH I ST  
TACOMA, WA 98401  
Medicare Provider Number: 500108

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2687            | 10.2                | 8.5  | 0.7   | 14.5    | 13.1 | 0.8   | 17.5     | 16.5 | 0.8   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 70              | 21.4                | 24.3 | 5.8   | 21.4    | 27.1 | 6.3   | 28.6     | 29.8 | 6.0   |
| Congestive Heart Failure.....              | 97              | 20.6                | 12.9 | 5.6   | 27.8    | 20.8 | 5.6   | 35.1     | 27.0 | 6.2   |
| Pneumonia/Influenza.....                   | 90              | 15.6                | 15.0 | 3.8   | 21.1    | 20.8 | 5.4   | 28.9     | 24.8 | 6.2   |
| Chronic Obstructive Pulmonary Disease..... | 35              | 17.1                | 11.0 | ----- | 28.6    | 18.7 | ----- | 34.3     | 24.4 | ----- |
| Transient Cerebral Ischemia.....           | 21              | 0.0                 | 2.1  | ----- | 0.0     | 4.6  | ----- | 4.8      | 7.4  | ----- |
| Stroke.....                                | 130             | 19.2                | 20.2 | 3.7   | 24.6    | 25.5 | 4.2   | 26.2     | 29.0 | 4.9   |
| Hip Fracture.....                          | 59              | 8.5                 | 6.5  | 3.7   | 8.5     | 11.4 | 4.6   | 11.9     | 14.7 | 5.0   |
| Sepsis.....                                | 25              | 32.0                | 19.8 | ----- | 44.0    | 28.0 | ----- | 44.0     | 33.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 127             | 0.8                 | 1.6  | 1.4   | 1.6     | 2.5  | 1.6   | 2.4      | 3.3  | 2.1   |
| Coronary Artery Bypass Graft.....          | 96              | 5.2                 | 4.7  | 2.2   | 7.3     | 7.1  | 2.8   | 8.3      | 8.1  | 2.9   |
| Initial Pacemaker Insertion.....           | 28              | 7.1                 | 3.4  | ----- | 10.7    | 6.4  | ----- | 10.7     | 8.8  | ----- |
| Carotid Endarterectomy.....                | 21              | 0.0                 | 1.4  | ----- | 0.0     | 2.6  | ----- | 0.0      | 3.8  | ----- |
| Hip Replacement/Reconstruction.....        | 64              | 9.4                 | 3.4  | 3.7   | 9.4     | 6.5  | 3.7   | 9.4      | 9.1  | 4.1   |
| Open Reduction of Hip Fracture.....        | 23              | 8.7                 | 6.7  | ----- | 8.7     | 12.1 | ----- | 13.0     | 15.8 | ----- |
| Prostatectomy.....                         | 108             | 0.0                 | 0.8  | 1.1   | 2.8     | 1.9  | 1.8   | 3.7      | 3.4  | 1.9   |
| Cholecystectomy.....                       | 39              | 5.1                 | 3.0  | ----- | 10.3    | 5.0  | ----- | 10.3     | 6.1  | ----- |
| Hysterectomy.....                          | 23              | 0.0                 | 0.6  | ----- | 0.0     | 1.4  | ----- | 0.0      | 2.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPH HOSPITAL HEALTH CARE CENTER

Medicare Provider Number: 500108

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.2 years  
Proportion female..... 51.3 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.8 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 43.6 %  
Admitted for emergency..... 22.4 %

### COMORBIDITIES:

Cancer..... 9.2 %  
Chronic cardiovascular disease..... 41.7 %  
Chronic liver disease..... 0.8 %  
Chronic renal disease..... 8.7 %  
Chronic pulmonary disease..... 22.2 %  
Cerebrovascular degeneration..... 3.6 %  
Diabetes mellitus..... 10.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 82.8%  
State ..... 14.1%  
Outside State ..... 3.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.2 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 317  
Occupancy Rate ..... 68.0 %  
Ownership/Control..... Church  
Medicare Discharges ..... 28.8 %  
Case Mix Index (CMI) ..... 1.6175

### STAFFING:

Total Number of Physicians..... 378  
Percent of Physicians Board  
Certified Specialists ..... 73.5 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 422  
Licensed Practical Nurses ..... 94

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... Yes  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# ST JOSEPHS HOSPITAL

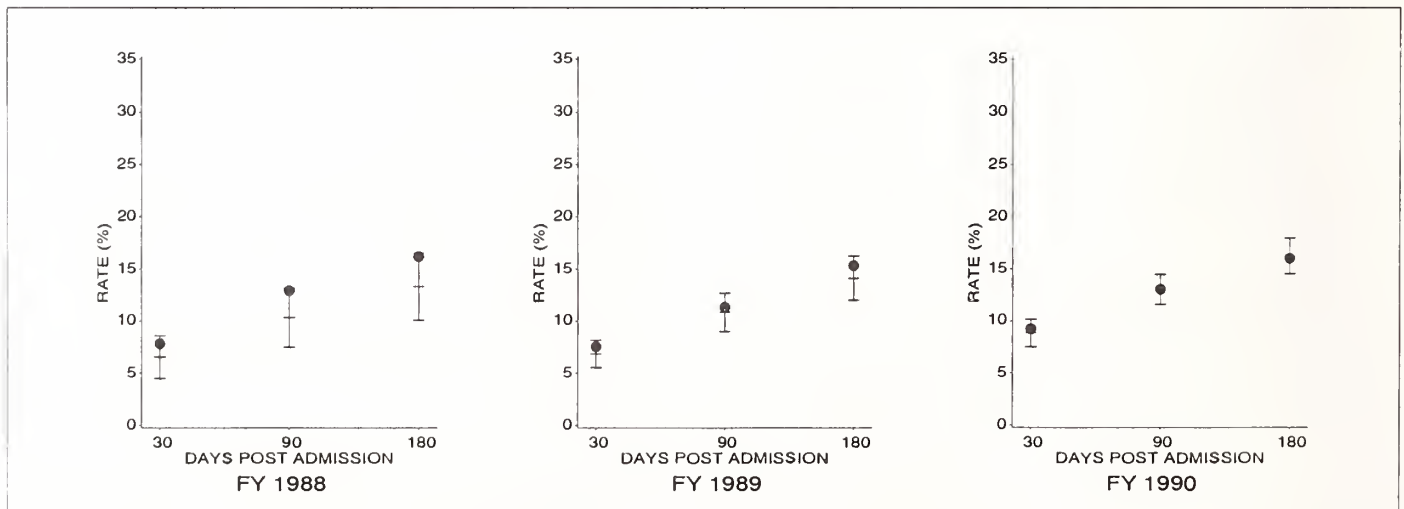
3201 ELLIS ST  
BELLINGHAM, WA 98225  
Medicare Provider Number: 500030

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 2598               | 9.2                 | 8.8  | 0.7  | 13.0    | 13.0 | 0.7  | 16.0     | 16.2 | 0.9  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 139                | 16.5                | 26.8 | 4.8  | 18.7    | 29.6 | 5.0  | 21.6     | 32.3 | 5.0  |
| Congestive Heart Failure.....              | 110                | 14.5                | 15.1 | 4.5  | 30.9    | 23.9 | 5.2  | 38.2     | 30.3 | 6.5  |
| Pneumonia/Influenza.....                   | 151                | 11.9                | 13.9 | 3.6  | 16.6    | 19.4 | 4.3  | 21.2     | 23.3 | 4.2  |
| Chronic Obstructive Pulmonary Disease..... | 45                 | 4.4                 | 6.8  | ---- | 8.9     | 12.0 | ---- | 15.6     | 16.1 | ---- |
| Transient Cerebral Ischemia.....           | 15                 | 13.3                | 2.3  | ---- | 20.0    | 4.9  | ---- | 20.0     | 7.7  | ---- |
| Stroke.....                                | 95                 | 20.0                | 21.3 | 4.6  | 25.3    | 27.6 | 5.3  | 26.3     | 31.5 | 6.9  |
| Hip Fracture.....                          | 94                 | 13.8                | 6.0  | 4.1  | 17.0    | 10.9 | 4.6  | 19.1     | 14.4 | 4.4  |
| Sepsis.....                                | 25                 | 12.0                | 22.0 | ---- | 16.0    | 28.4 | ---- | 16.0     | 32.7 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 1                  | 0.0                 | 3.3  | ---- | 0.0     | 4.4  | ---- | 0.0      | 5.5  | ---- |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 27                 | 3.7                 | 2.5  | ---- | 3.7     | 4.8  | ---- | 3.7      | 7.2  | ---- |
| Carotid Endarterectomy.....                | 19                 | 0.0                 | 1.2  | ---- | 0.0     | 2.5  | ---- | 0.0      | 3.9  | ---- |
| Hip Replacement/Reconstruction.....        | 90                 | 3.3                 | 2.1  | 2.0  | 4.4     | 4.1  | 3.2  | 5.6      | 5.7  | 3.7  |
| Open Reduction of Hip Fracture.....        | 52                 | 13.5                | 5.5  | 5.0  | 15.4    | 10.3 | 4.9  | 15.4     | 13.9 | 4.9  |
| Prostatectomy.....                         | 172                | 0.0                 | 0.8  | 1.0  | 0.6     | 2.0  | 1.6  | 0.6      | 3.4  | 2.8  |
| Cholecystectomy.....                       | 50                 | 2.0                 | 1.8  | ---- | 6.0     | 3.3  | ---- | 6.0      | 4.3  | ---- |
| Hysterectomy.....                          | 24                 | 0.0                 | 0.7  | ---- | 0.0     | 1.5  | ---- | 0.0      | 2.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPHS HOSPITAL

Medicare Provider Number: 500030

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.9 years |
| Proportion female.....        | 52.2 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 57.8 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 32.4 % |
| Admitted for emergency.....                    | 39.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.9 %  |
| Chronic cardiovascular disease..... | 33.3 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 3.3 %  |
| Chronic pulmonary disease.....      | 12.8 % |
| Cerebrovascular degeneration.....   | 4.3 %  |
| Diabetes mellitus.....              | 6.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 89.2%  |
| State .....         | 8.1%   |
| Outside State ..... | 2.7%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 211                 |
| Occupancy Rate .....       | 65.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 28.0 %              |
| Case Mix Index (CMI) ..... | 1.3000              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 165    |
| Percent of Physicians Board<br>Certified Specialists ..... | 83.0 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 269    |
| Licensed Practical Nurses.....                             | 21     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST JOSEPHS HOSPITAL

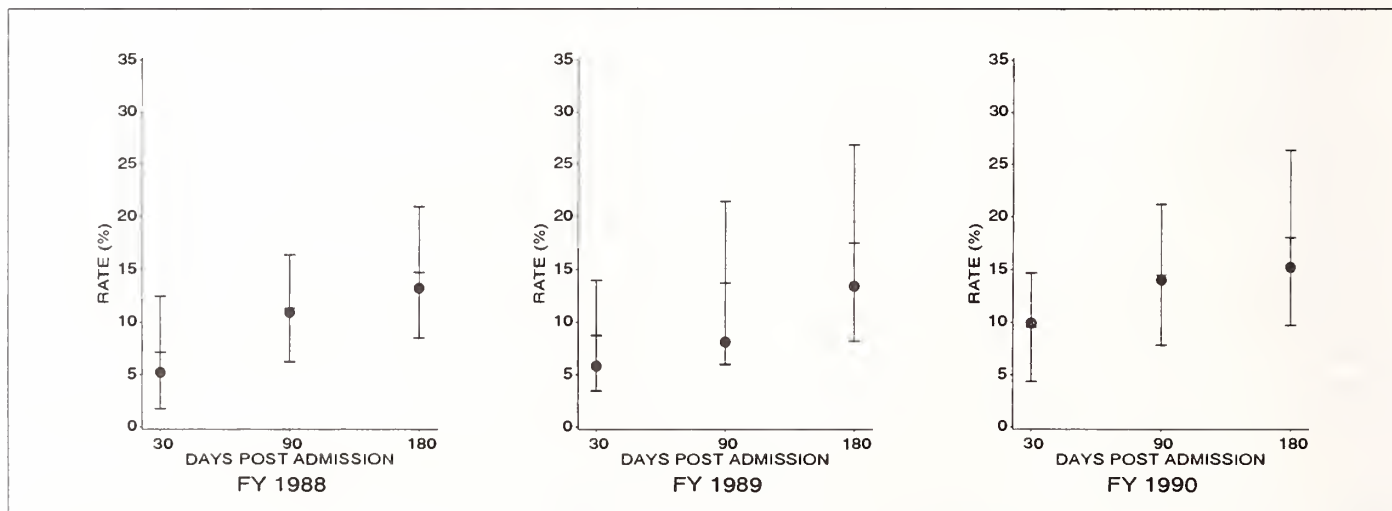
500 EAST WEBSTER  
CHEWELAH, WA 99109  
Medicare Provider Number: 500048

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 171                | 9.9                 | 9.5  | 2.6   | 14.0    | 14.5 | 3.3   | 15.2     | 18.0 | 4.2   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6                  | 33.3                | 26.9 | ----- | 33.3    | 30.7 | ----- | 33.3     | 34.4 | ----- |
| Congestive Heart Failure.....              | 9                  | 22.2                | 13.3 | ----- | 33.3    | 21.0 | ----- | 33.3     | 26.1 | ----- |
| Pneumonia/Influenza.....                   | 20                 | 5.0                 | 12.7 | ----- | 20.0    | 17.2 | ----- | 20.0     | 20.8 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 23                 | 0.0                 | 6.6  | ----- | 0.0     | 12.2 | ----- | 0.0      | 16.5 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 8                  | 37.5                | 29.1 | ----- | 37.5    | 39.7 | ----- | 37.5     | 45.7 | ----- |
| Hip Fracture.....                          | 0                  |                     |      |       |         |      |       |          |      |       |
| Sepsis.....                                | 1                  | 0.0                 | 18.5 | ----- | 0.0     | 24.2 | ----- | 0.0      | 28.1 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 1                  | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.3  | ----- |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST JOSEPHS HOSPITAL

Medicare Provider Number: 500048

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.8 years  
Proportion female..... 58.5 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.0 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 4.7 %  
Admitted for emergency..... 36.8 %

### COMORBIDITIES:

Cancer..... 4.7 %  
Chronic cardiovascular disease..... 39.8 %  
Chronic liver disease..... 0.0 %  
Chronic renal disease..... 3.5 %  
Chronic pulmonary disease..... 21.6 %  
Cerebrovascular degeneration..... 4.1 %  
Diabetes mellitus..... 4.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 86.0%  
State ..... 13.2%  
Outside State ..... 0.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 3.3 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 65  
Occupancy Rate ..... 63.0 %  
Ownership/Control..... Church  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 0.9254

### STAFFING:

Total Number of Physicians..... 5  
Percent of Physicians Board  
Certified Specialists ..... 100.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 16  
Licensed Practical Nurses ..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... No  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST LUKES MEMORIAL HOSPITAL

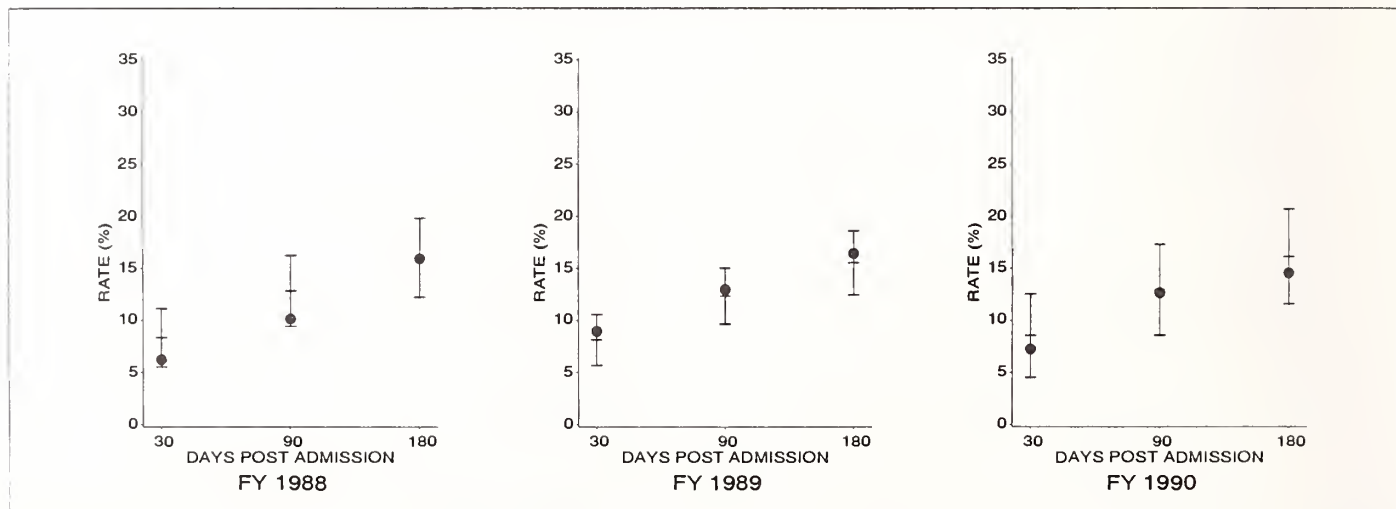
S 711 COWLEY  
SPOKANE, WA 99210  
Medicare Provider Number: 500035

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 573                | 7.2                 | 8.5  | 2.0   | 12.6    | 12.9 | 2.2   | 14.5     | 16.1 | 2.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 8                  | 12.5                | 27.0 | ----- | 25.0    | 30.9 | ----- | 25.0     | 33.8 | ----- |
| Congestive Heart Failure.....              | 21                 | 9.5                 | 14.1 | ----- | 19.0    | 22.2 | ----- | 28.6     | 28.5 | ----- |
| Pneumonia/Influenza.....                   | 53                 | 11.3                | 13.8 | 4.9   | 22.6    | 19.1 | 6.0   | 26.4     | 22.6 | 8.5   |
| Chronic Obstructive Pulmonary Disease..... | 13                 | 7.7                 | 7.2  | ----- | 7.7     | 13.1 | ----- | 15.4     | 17.7 | ----- |
| Transient Cerebral Ischemia.....           | 8                  | 0.0                 | 2.1  | ----- | 12.5    | 4.5  | ----- | 12.5     | 7.1  | ----- |
| Stroke.....                                | 25                 | 12.0                | 18.4 | ----- | 24.0    | 24.9 | ----- | 24.0     | 28.6 | ----- |
| Hip Fracture.....                          | 30                 | 3.3                 | 7.0  | ----- | 16.7    | 12.0 | ----- | 16.7     | 15.6 | ----- |
| Sepsis.....                                | 12                 | 16.7                | 22.3 | ----- | 16.7    | 28.3 | ----- | 16.7     | 32.9 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 4.2  | ----- | 0.0     | 7.8  | ----- | 0.0      | 11.0 | ----- |
| Carotid Endarterectomy.....                | 4                  | 0.0                 | 1.7  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.1  | ----- |
| Hip Replacement/Reconstruction.....        | 49                 | 2.0                 | 2.3  | ----- | 6.1     | 3.9  | ----- | 6.1      | 5.1  | ----- |
| Open Reduction of Hip Fracture.....        | 14                 | 0.0                 | 5.9  | ----- | 14.3    | 10.9 | ----- | 14.3     | 14.7 | ----- |
| Prostatectomy.....                         | 13                 | 0.0                 | 0.8  | ----- | 0.0     | 1.9  | ----- | 0.0      | 3.4  | ----- |
| Cholecystectomy.....                       | 8                  | 0.0                 | 4.4  | ----- | 0.0     | 8.6  | ----- | 0.0      | 11.5 | ----- |
| Hysterectomy.....                          | 7                  | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.8  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# ST LUKES MEMORIAL HOSPITAL

Medicare Provider Number: 500035

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.3 years |
| Proportion female.....        | 60.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 55.0 % |
| Transferred from skilled nursing facility..... | 1.7 %  |
| Admitted for elective procedure.....           | 18.2 % |
| Admitted for emergency.....                    | 53.4 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.9 %  |
| Chronic cardiovascular disease..... | 23.2 % |
| Chronic liver disease.....          | 0.0 %  |
| Chronic renal disease.....          | 1.2 %  |
| Chronic pulmonary disease.....      | 14.0 % |
| Cerebrovascular degeneration.....   | 6.8 %  |
| Diabetes mellitus.....              | 4.5 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 77.2%  |
| State .....         | 13.7%  |
| Outside State ..... | 9.1%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.6 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 87                  |
| Occupancy Rate .....       | 39.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 52.5 %              |
| Case Mix Index (CMI) ..... | 1.4890              |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 499             |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 0               |
| Registered Nurses.....                                     | 93              |
| Licensed Practical Nurses .....                            | 8               |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# ST MARY MEDICAL CENTER

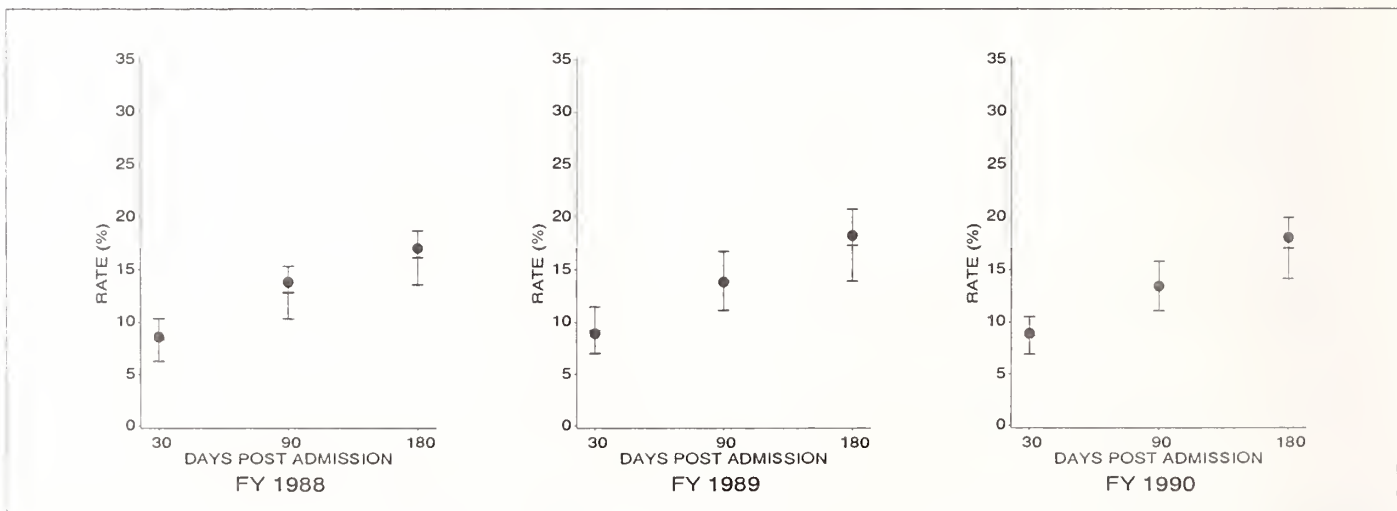
401 W POPLAR ST  
WALLA WALLA, WA 99362  
Medicare Provider Number: 500002

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1029            | 8.9                 | 8.7  | 0.9   | 13.4    | 13.4 | 1.2   | 18.0     | 17.0 | 1.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 28              | 28.6                | 22.9 | ----- | 32.1    | 25.6 | ----- | 39.3     | 28.1 | ----- |
| Congestive Heart Failure.....              | 34              | 11.8                | 14.3 | ----- | 11.8    | 21.7 | ----- | 14.7     | 27.7 | ----- |
| Pneumonia/Influenza.....                   | 61              | 16.4                | 15.6 | 4.7   | 19.7    | 21.4 | 5.8   | 24.6     | 25.2 | 6.1   |
| Chronic Obstructive Pulmonary Disease..... | 14              | 0.0                 | 8.5  | ----- | 14.3    | 14.6 | ----- | 21.4     | 18.8 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 2.0  | ----- | 8.3     | 4.5  | ----- | 8.3      | 7.2  | ----- |
| Stroke.....                                | 46              | 13.0                | 19.0 | ----- | 21.7    | 26.0 | ----- | 28.3     | 29.7 | ----- |
| Hip Fracture.....                          | 41              | 9.8                 | 7.5  | ----- | 17.1    | 13.2 | ----- | 19.5     | 17.1 | ----- |
| Sepsis.....                                | 12              | 0.0                 | 20.8 | ----- | 8.3     | 27.6 | ----- | 16.7     | 31.9 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 6               | 0.0                 | 1.1  | ----- | 0.0     | 2.3  | ----- | 0.0      | 3.6  | ----- |
| Carotid Endarterectomy.....                | 15              | 0.0                 | 1.1  | ----- | 6.7     | 2.1  | ----- | 6.7      | 3.0  | ----- |
| Hip Replacement/Reconstruction.....        | 30              | 3.3                 | 3.3  | ----- | 10.0    | 6.1  | ----- | 10.0     | 7.9  | ----- |
| Open Reduction of Hip Fracture.....        | 17              | 0.0                 | 5.2  | ----- | 0.0     | 10.0 | ----- | 0.0      | 13.2 | ----- |
| Prostatectomy.....                         | 37              | 0.0                 | 0.8  | ----- | 2.7     | 2.1  | ----- | 2.7      | 3.8  | ----- |
| Cholecystectomy.....                       | 19              | 5.3                 | 2.7  | ----- | 5.3     | 5.1  | ----- | 10.5     | 7.0  | ----- |
| Hysterectomy.....                          | 9               | 0.0                 | 0.9  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# ST MARY MEDICAL CENTER

Medicare Provider Number: 500002

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.4 years |
| Proportion female.....        | 52.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 53.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 26.3 % |
| Admitted for emergency.....                    | 42.8 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 12.4 % |
| Chronic cardiovascular disease..... | 29.3 % |
| Chronic liver disease.....          | 0.9 %  |
| Chronic renal disease.....          | 1.9 %  |
| Chronic pulmonary disease.....      | 18.3 % |
| Cerebrovascular degeneration.....   | 5.4 %  |
| Diabetes mellitus.....              | 6.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 59.3%  |
| State .....         | 8.0%   |
| Outside State ..... | 32.7%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 6.3 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |        |
|----------------------------|--------|
| Total Beds .....           | 136    |
| Occupancy Rate .....       | 43.0 % |
| Ownership/Control.....     | Church |
| Medicare Discharges .....  | 41.2 % |
| Case Mix Index (CMI) ..... | 1.4058 |

### STAFFING:

|                                                           |        |
|-----------------------------------------------------------|--------|
| Total Number of Physicians.....                           | 66     |
| Percent of Physicians Board<br>Certified Specialists..... | 81.8 % |
| Medical Residents/Interns .....                           | 0      |
| Registered Nurses.....                                    | 114    |
| Licensed Practical Nurses .....                           | 33     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | Yes |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

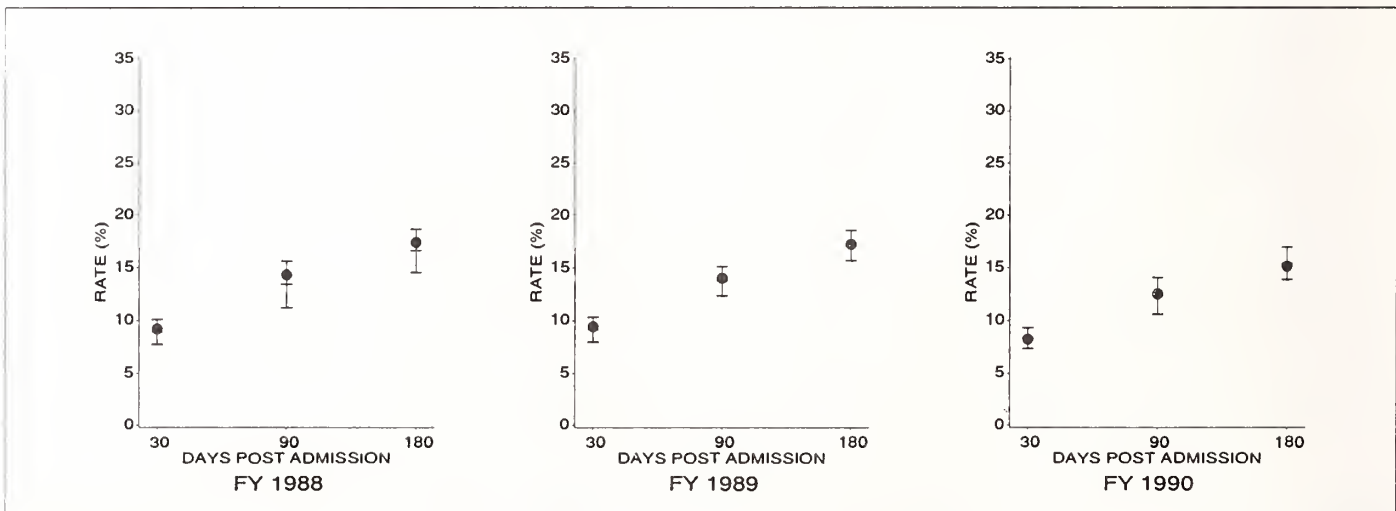
**ST PETER HOSPITAL**  
413 N LILLY ROAD  
OLYMPIA, WA 98501  
Medicare Provider Number: 500024

**FY 1990 MEDICARE HOSPITAL MORTALITY RATES**

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3181               | 8.2                 | 8.3  | 0.5  | 12.5    | 12.3 | 0.9  | 15.1     | 15.4 | 0.8  |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 126                | 19.0                | 22.6 | 5.8  | 21.4    | 25.5 | 6.4  | 25.4     | 28.1 | 7.4  |
| Congestive Heart Failure.....              | 125                | 14.4                | 13.8 | 3.1  | 25.6    | 21.8 | 4.7  | 31.2     | 28.0 | 4.7  |
| Pneumonia/Influenza.....                   | 120                | 18.3                | 14.4 | 7.0  | 25.8    | 19.6 | 7.3  | 28.3     | 23.2 | 7.0  |
| Chronic Obstructive Pulmonary Disease..... | 45                 | 11.1                | 8.5  | ---- | 15.6    | 14.5 | ---- | 15.6     | 19.1 | ---- |
| Transient Cerebral Ischemia.....           | 30                 | 3.3                 | 1.7  | ---- | 13.3    | 3.6  | ---- | 13.3     | 5.5  | ---- |
| Stroke.....                                | 138                | 19.6                | 22.6 | 6.0  | 24.6    | 28.3 | 6.8  | 29.7     | 31.9 | 6.8  |
| Hip Fracture.....                          | 94                 | 9.6                 | 7.1  | 3.5  | 13.8    | 12.3 | 3.7  | 14.9     | 15.9 | 4.2  |
| Sepsis.....                                | 20                 | 40.0                | 27.3 | ---- | 55.0    | 35.6 | ---- | 55.0     | 40.2 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 17                 | 17.6                | 8.6  | ---- | 29.4    | 10.3 | ---- | 29.4     | 11.7 | ---- |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 23                 | 0.0                 | 2.0  | ---- | 0.0     | 4.2  | ---- | 8.7      | 6.6  | ---- |
| Carotid Endarterectomy.....                | 22                 | 0.0                 | 1.4  | ---- | 0.0     | 2.6  | ---- | 0.0      | 3.7  | ---- |
| Hip Replacement/Reconstruction.....        | 90                 | 2.2                 | 2.9  | 2.6  | 4.4     | 5.3  | 3.9  | 4.4      | 7.0  | 4.1  |
| Open Reduction of Hip Fracture.....        | 47                 | 6.4                 | 5.5  | ---- | 10.6    | 9.8  | ---- | 10.6     | 12.9 | ---- |
| Prostatectomy.....                         | 121                | 0.0                 | 1.0  | 1.4  | 2.5     | 2.2  | 1.4  | 5.0      | 3.8  | 2.0  |
| Cholecystectomy.....                       | 107                | 0.9                 | 2.3  | 1.8  | 0.9     | 4.2  | 2.7  | 1.9      | 5.8  | 3.4  |
| Hysterectomy.....                          | 36                 | 0.0                 | 0.4  | ---- | 2.8     | 0.9  | ---- | 5.6      | 1.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

**OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD)  
FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES**



**ST PETER HOSPITAL**  
Medicare Provider Number: 500024

**FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES**

**DEMOGRAPHICS:**

Average age at admission..... 73.3 years  
Proportion female..... 53.3 %

**ADMISSION SOURCES/TYPES:**

Referred by personal or HMO physician..... 55.1 %  
Transferred from skilled nursing facility..... 0.6 %  
Admitted for elective procedure..... 27.7 %  
Admitted for emergency..... 69.7 %

**COMORBIDITIES:**

Cancer..... 7.3 %  
Chronic cardiovascular disease..... 37.6 %  
Chronic liver disease..... 1.2 %  
Chronic renal disease..... 3.4 %  
Chronic pulmonary disease..... 16.0 %  
Cerebrovascular degeneration..... 3.4 %  
Diabetes mellitus..... 6.1 %

**ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\***

**ORIGIN OF MEDICARE PATIENT ADMISSION:**

County/City..... 64.8%  
State..... 32.9%  
Outside State..... 2.3%  
Total..... 100.0%

**MEDICARE AVERAGE LENGTH OF STAY:**

Hospital..... 5.7 Days  
State..... 6.4 Days  
National..... 8.6 Days

**HOSPITAL CHARACTERISTICS\***

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

**PROFILE:**

Total Beds..... 373  
Occupancy Rate..... 61.0 %  
Ownership/Control..... Church  
Medicare Discharges..... 35.7 %  
Case Mix Index (CMI)..... 1.3094

**STAFFING:**

Total Number of Physicians..... 206  
Percent of Physicians Board  
Certified Specialists..... 77.7 %  
Medical Residents/Interns..... 0  
Registered Nurses..... 493  
Licensed Practical Nurses..... 81

**SPECIALTY SERVICES:**

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

**OTHER SPECIALTY/HOSPITAL-BASED SERVICES:**

Alcohol/Drug..... Yes  
Rehabilitation..... No  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# STEVENS MEMORIAL HOSPITAL

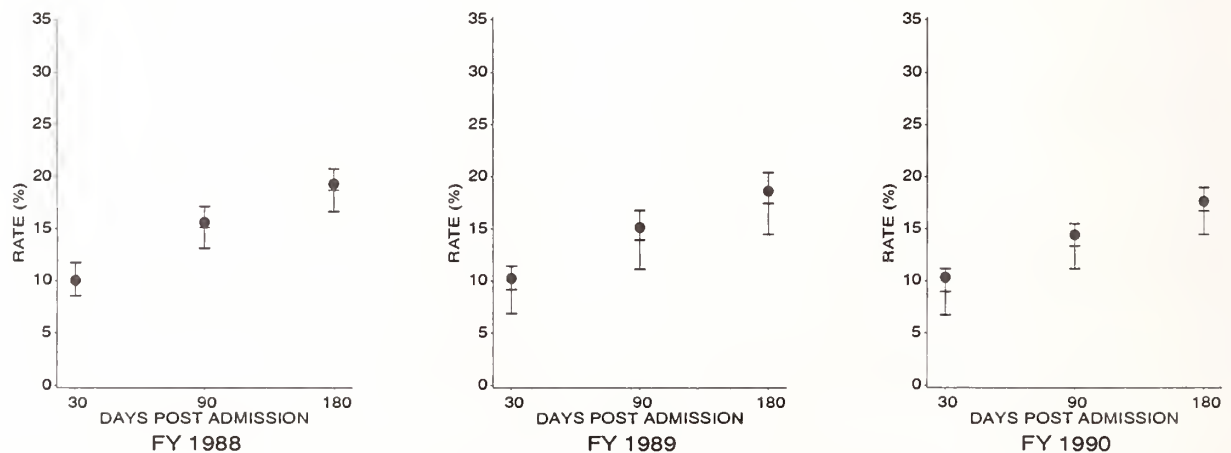
21600 76TH AVENUE WEST  
EDMONDS, WA 98020  
Medicare Provider Number: 500026

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1758            | 10.3                | 8.9  | 1.1  | 14.4    | 13.3 | 1.1  | 17.6     | 16.7 | 1.1  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 62              | 29.0                | 22.2 | 11.1 | 33.9    | 24.9 | 11.9 | 37.1     | 27.5 | 12.2 |
| Congestive Heart Failure.....              | 96              | 17.7                | 13.9 | 5.4  | 26.0    | 22.1 | 6.4  | 29.2     | 28.2 | 5.7  |
| Pneumonia/Influenza.....                   | 76              | 11.8                | 14.6 | 6.9  | 15.8    | 20.0 | 7.7  | 19.7     | 23.4 | 6.8  |
| Chronic Obstructive Pulmonary Disease..... | 45              | 6.7                 | 6.6  | ---- | 13.3    | 11.8 | ---- | 15.6     | 16.0 | ---- |
| Transient Cerebral Ischemia.....           | 24              | 0.0                 | 1.9  | ---- | 4.2     | 4.4  | ---- | 4.2      | 7.4  | ---- |
| Stroke.....                                | 76              | 15.8                | 22.2 | 6.8  | 19.7    | 28.6 | 8.0  | 27.6     | 32.4 | 7.9  |
| Hip Fracture.....                          | 61              | 6.6                 | 6.8  | 4.3  | 9.8     | 12.4 | 5.1  | 18.0     | 16.5 | 5.1  |
| Sepsis.....                                | 23              | 30.4                | 22.8 | ---- | 34.8    | 29.6 | ---- | 43.5     | 33.6 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 1               | 0.0                 | 13.1 | ---- | 0.0     | 14.3 | ---- | 0.0      | 15.8 | ---- |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 11              | 9.1                 | 3.3  | ---- | 9.1     | 6.2  | ---- | 9.1      | 8.3  | ---- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 1.3  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.4  | ---- |
| Hip Replacement/Reconstruction.....        | 35              | 8.6                 | 3.1  | ---- | 8.6     | 5.8  | ---- | 14.3     | 7.9  | ---- |
| Open Reduction of Hip Fracture.....        | 36              | 8.3                 | 6.3  | ---- | 13.9    | 11.9 | ---- | 19.4     | 16.0 | ---- |
| Prostatectomy.....                         | 107             | 0.9                 | 0.6  | 0.9  | 0.9     | 1.6  | 1.3  | 1.9      | 2.8  | 1.8  |
| Cholecystectomy.....                       | 49              | 0.0                 | 2.2  | ---- | 2.0     | 4.0  | ---- | 2.0      | 5.3  | ---- |
| Hysterectomy.....                          | 19              | 0.0                 | 0.5  | ---- | 0.0     | 1.1  | ---- | 0.0      | 1.9  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# STEVENS MEMORIAL HOSPITAL

Medicare Provider Number: 500026

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.0 years

Proportion female..... 56.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 41.0 %

Transferred from skilled nursing facility..... 0.7 %

Admitted for elective procedure..... 38.8 %

Admitted for emergency..... 54.5 %

### COMORBIDITIES:

Cancer..... 8.2 %

Chronic cardiovascular disease..... 31.1 %

Chronic liver disease..... 1.1 %

Chronic renal disease..... 2.2 %

Chronic pulmonary disease..... 13.4 %

Cerebrovascular degeneration..... 5.8 %

Diabetes mellitus..... 4.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 68.7%

State ..... 27.4%

Outside State ..... 3.9%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.0 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 188

Occupancy Rate ..... 63.0 %

Ownership/Control..... District/Authority

Medicare Discharges ..... 31.6 %

Case Mix Index (CMI) ..... 1.2841

### STAFFING:

Total Number of Physicians..... 287

Percent of Physicians Board  
Certified Specialists .....(Not Available)

Medical Residents/Interns ..... 0

Registered Nurses..... 234

Licensed Practical Nurses ..... 40

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... Yes

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# SUNNYSIDE GENERAL HOSPITAL

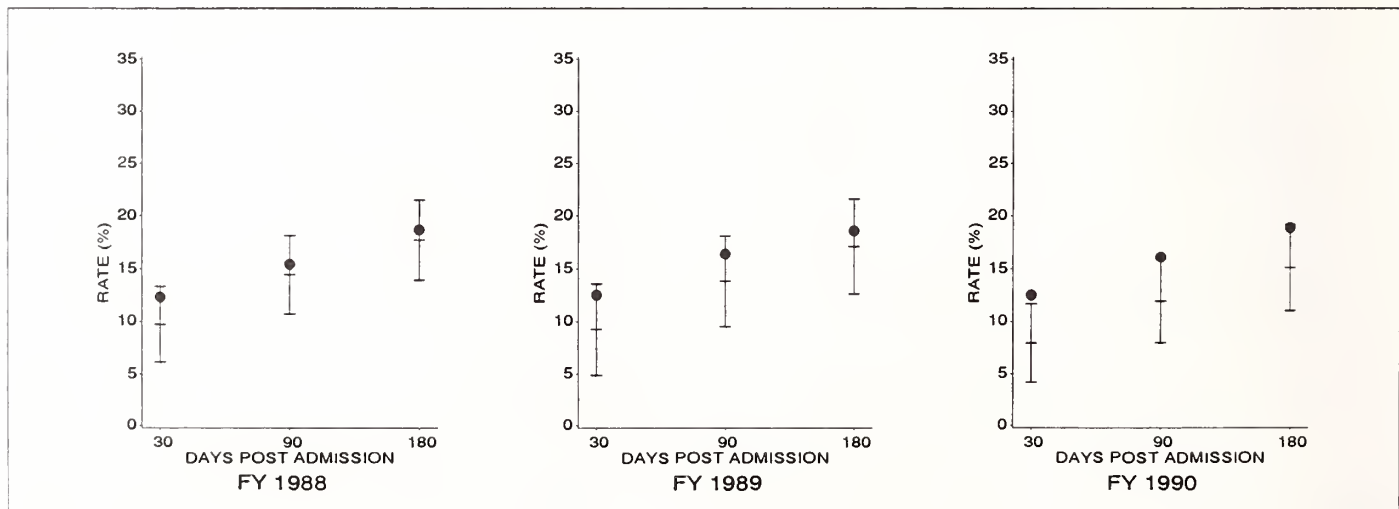
1319 SAUL ROAD  
SUNNYSIDE, WA 98944  
Medicare Provider Number: 500086

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 417             | 12.5                | 7.9  | 1.9   | 16.1    | 11.9 | 2.0   | 18.9     | 15.1 | 2.1   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 20              | 35.0                | 26.1 | ----- | 35.0    | 29.1 | ----- | 35.0     | 31.8 | ----- |
| Congestive Heart Failure.....              | 26              | 34.6                | 12.0 | ----- | 46.2    | 19.6 | ----- | 53.8     | 25.5 | ----- |
| Pneumonia/Influenza.....                   | 46              | 10.9                | 9.9  | ----- | 17.4    | 14.0 | ----- | 17.4     | 17.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 12.5                | 7.3  | ----- | 12.5    | 12.8 | ----- | 12.5     | 17.1 | ----- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 2.2  | ----- | 0.0     | 5.0  | ----- | 0.0      | 8.2  | ----- |
| Stroke.....                                | 14              | 35.7                | 15.4 | ----- | 42.9    | 22.3 | ----- | 50.0     | 26.5 | ----- |
| Hip Fracture.....                          | 17              | 0.0                 | 4.8  | ----- | 0.0     | 8.5  | ----- | 5.9      | 11.5 | ----- |
| Sepsis.....                                | 4               | 50.0                | 30.8 | ----- | 50.0    | 40.0 | ----- | 50.0     | 44.3 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 13              | 0.0                 | 2.3  | ----- | 0.0     | 4.2  | ----- | 7.7      | 5.9  | ----- |
| Open Reduction of Hip Fracture.....        | 9               | 0.0                 | 4.6  | ----- | 0.0     | 8.2  | ----- | 0.0      | 11.0 | ----- |
| Prostatectomy.....                         | 28              | 0.0                 | 0.6  | ----- | 0.0     | 1.3  | ----- | 0.0      | 2.4  | ----- |
| Cholecystectomy.....                       | 12              | 16.7                | 2.1  | ----- | 16.7    | 4.0  | ----- | 16.7     | 5.2  | ----- |
| Hysterectomy.....                          | 7               | 0.0                 | 0.1  | ----- | 0.0     | 0.2  | ----- | 0.0      | 0.4  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# SUNNYSIDE GENERAL HOSPITAL

Medicare Provider Number: 500086

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 75.3 years |
| Proportion female.....        | 53.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 95.0 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 23.0 % |
| Admitted for emergency.....                    | 4.1 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 6.0 %  |
| Chronic cardiovascular disease..... | 41.7 % |
| Chronic liver disease.....          | 1.2 %  |
| Chronic renal disease.....          | 2.2 %  |
| Chronic pulmonary disease.....      | 24.0 % |
| Cerebrovascular degeneration.....   | 1.9 %  |
| Diabetes mellitus.....              | 12.9 % |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 90.8%  |
| State .....         | 6.6%   |
| Outside State ..... | 2.6%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.3 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                     |
|----------------------------|---------------------|
| Total Beds .....           | 38                  |
| Occupancy Rate .....       | 47.0 %              |
| Ownership/Control.....     | Private, Non-Profit |
| Medicare Discharges .....  | 33.1 %              |
| Case Mix Index (CMI) ..... | 1.3187              |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 24     |
| Percent of Physicians Board<br>Certified Specialists ..... | 66.7 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 52     |
| Licensed Practical Nurses .....                            | 22     |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |    |
|---------------------------|----|
| Alcohol/Drug .....        | No |
| Rehabilitation.....       | No |
| Psychiatric .....         | No |
| Medicare Swing Beds ..... | No |

\*\* Except for CMI

\* Not used in calculating mortality rates

# SWEDISH HOSPITAL MEDICAL CENTER

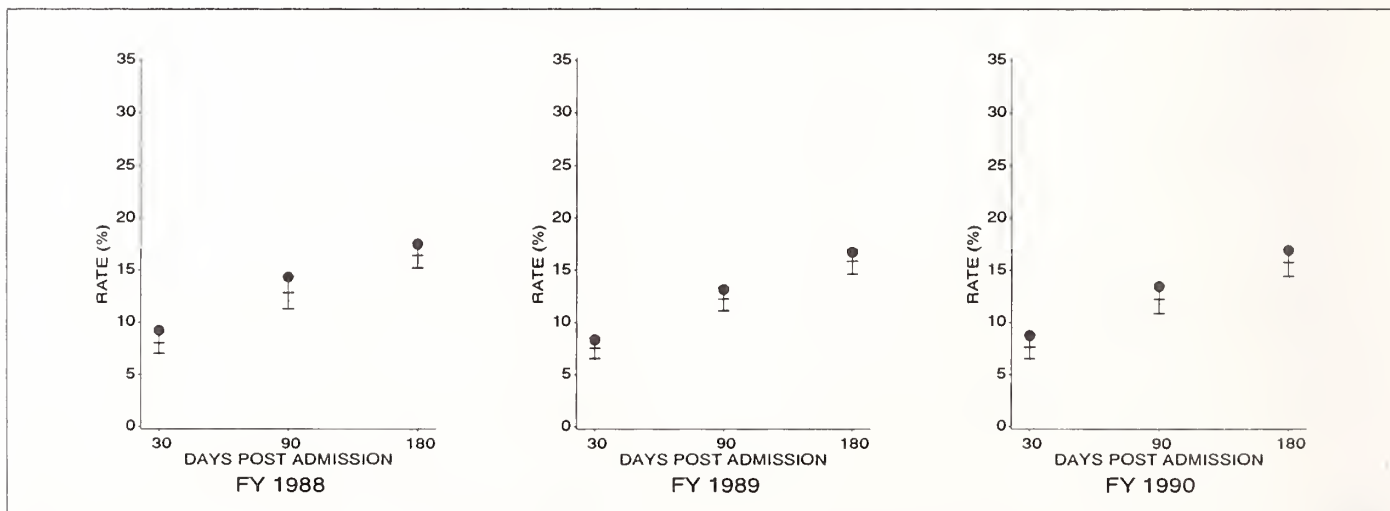
747 SUMMIT AVE  
SEATTLE, WA 98104  
Medicare Provider Number: 500027

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 5221            | 8.7                 | 7.6  | 0.6   | 13.4    | 12.2 | 0.7   | 16.9     | 15.7 | 0.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 134             | 17.2                | 23.7 | 7.0   | 20.9    | 27.1 | 7.4   | 23.9     | 30.0 | 7.6   |
| Congestive Heart Failure.....              | 155             | 14.8                | 14.9 | 2.9   | 25.2    | 23.3 | 3.9   | 31.6     | 29.7 | 4.1   |
| Pneumonia/Influenza.....                   | 173             | 20.8                | 15.9 | 4.4   | 27.7    | 22.3 | 5.0   | 31.8     | 26.6 | 4.9   |
| Chronic Obstructive Pulmonary Disease..... | 46              | 15.2                | 8.9  | ----- | 21.7    | 16.1 | ----- | 30.4     | 21.5 | ----- |
| Transient Cerebral Ischemia.....           | 51              | 2.0                 | 1.4  | 2.7   | 5.9     | 3.2  | 3.5   | 5.9      | 5.4  | 4.8   |
| Stroke.....                                | 155             | 18.7                | 19.1 | 3.2   | 25.2    | 26.1 | 3.6   | 32.9     | 30.4 | 4.3   |
| Hip Fracture.....                          | 129             | 5.4                 | 7.0  | 2.6   | 10.9    | 12.8 | 3.4   | 15.5     | 17.0 | 3.6   |
| Sepsis.....                                | 56              | 19.6                | 22.9 | 7.7   | 25.0    | 31.0 | 9.2   | 33.9     | 36.4 | 9.7   |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 107             | 3.7                 | 4.1  | 2.1   | 4.7     | 5.2  | 2.3   | 5.6      | 6.2  | 3.0   |
| Coronary Artery Bypass Graft.....          | 145             | 6.9                 | 5.9  | 2.3   | 10.3    | 8.5  | 2.9   | 11.0     | 9.6  | 2.9   |
| Initial Pacemaker Insertion.....           | 37              | 0.0                 | 1.8  | ----- | 8.1     | 3.9  | ----- | 8.1      | 6.0  | ----- |
| Carotid Endarterectomy.....                | 41              | 2.4                 | 1.2  | ----- | 2.4     | 2.3  | ----- | 7.3      | 3.5  | ----- |
| Hip Replacement/Reconstruction.....        | 243             | 2.1                 | 1.5  | 0.9   | 3.3     | 3.0  | 1.3   | 4.5      | 4.1  | 1.9   |
| Open Reduction of Hip Fracture.....        | 54              | 1.9                 | 7.0  | 6.1   | 11.1    | 13.2 | 4.8   | 14.8     | 17.4 | 5.8   |
| Prostatectomy.....                         | 240             | 0.0                 | 0.6  | 0.7   | 0.4     | 1.6  | 1.0   | 1.2      | 2.9  | 1.3   |
| Cholecystectomy.....                       | 76              | 2.6                 | 3.1  | 3.1   | 2.6     | 6.7  | 5.3   | 7.9      | 10.0 | 6.8   |
| Hysterectomy.....                          | 76              | 0.0                 | 0.6  | 1.0   | 0.0     | 1.5  | 1.7   | 1.3      | 2.4  | 1.9   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# SWEDISH HOSPITAL MEDICAL CENTER

Medicare Provider Number: 500027

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.8 years  
Proportion female..... 56.6 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 62.6 %  
Transferred from skilled nursing facility..... 1.2 %  
Admitted for elective procedure..... 63.0 %  
Admitted for emergency..... 32.5 %

### COMORBIDITIES:

Cancer..... 11.7 %  
Chronic cardiovascular disease..... 28.6 %  
Chronic liver disease..... 1.0 %  
Chronic renal disease..... 4.5 %  
Chronic pulmonary disease..... 9.1 %  
Cerebrovascular degeneration..... 3.2 %  
Diabetes mellitus..... 4.8 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 79.4%  
State ..... 16.3%  
Outside State ..... 4.3%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.6 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1989

### PROFILE:

Total Beds ..... 571  
Occupancy Rate ..... 76.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 32.9 %  
Case Mix Index (CMI) ..... 1.5704

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... 35  
Registered Nurses..... 946  
Licensed Practical Nurses ..... 37

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... Yes  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... Yes  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation ..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TACOMA GENERAL HOSPITAL

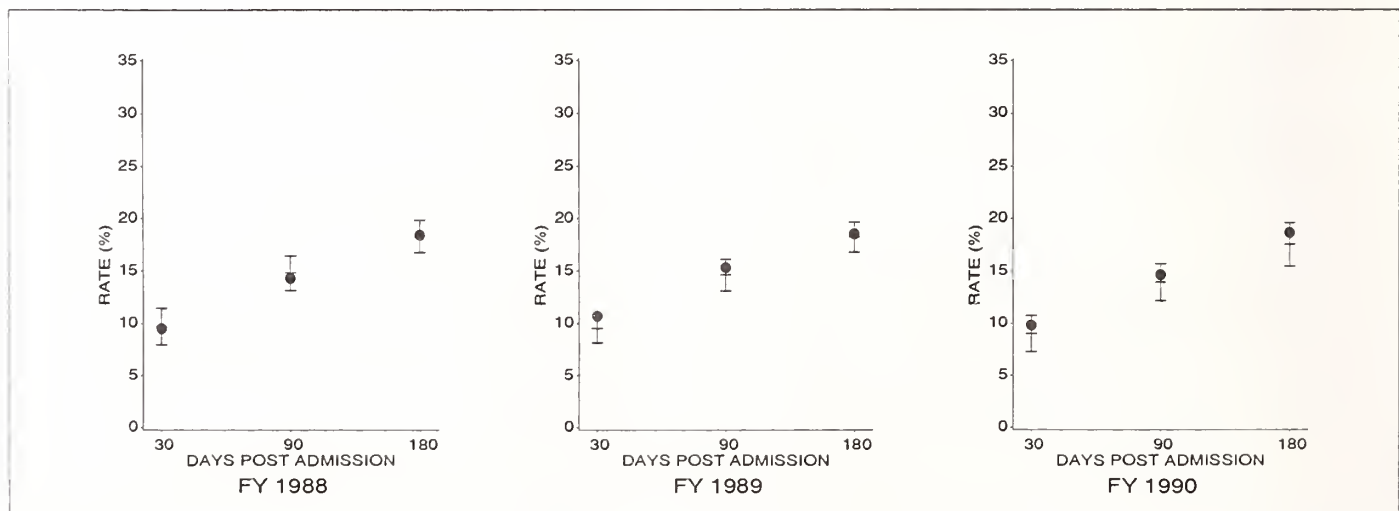
315 SOUTH K ST  
TACOMA, WA 98405  
Medicare Provider Number: 500129

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2914               | 9.8                 | 9.0  | 0.9   | 14.6    | 13.9 | 0.9   | 18.6     | 17.5 | 1.0   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 119                | 26.9                | 23.0 | 5.6   | 30.3    | 26.1 | 5.2   | 31.1     | 28.7 | 4.8   |
| Congestive Heart Failure.....              | 130                | 16.9                | 13.8 | 4.3   | 23.8    | 21.8 | 4.9   | 30.0     | 27.9 | 5.9   |
| Pneumonia/Influenza.....                   | 87                 | 8.0                 | 15.8 | 5.1   | 21.8    | 21.7 | 5.3   | 25.3     | 25.8 | 4.7   |
| Chronic Obstructive Pulmonary Disease..... | 43                 | 16.3                | 8.0  | ----- | 27.9    | 13.7 | ----- | 32.6     | 18.2 | ----- |
| Transient Cerebral Ischemia.....           | 21                 | 0.0                 | 2.7  | ----- | 0.0     | 5.7  | ----- | 4.8      | 8.8  | ----- |
| Stroke.....                                | 138                | 20.3                | 18.1 | 4.0   | 25.4    | 24.0 | 3.9   | 29.7     | 27.7 | 4.1   |
| Hip Fracture.....                          | 109                | 6.4                 | 7.4  | 4.3   | 10.1    | 13.2 | 7.0   | 14.7     | 17.1 | 6.4   |
| Sepsis.....                                | 36                 | 16.7                | 22.8 | ----- | 22.2    | 30.1 | ----- | 27.8     | 34.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 33                 | 3.0                 | 2.3  | ----- | 3.0     | 3.1  | ----- | 3.0      | 3.8  | ----- |
| Coronary Artery Bypass Graft.....          | 157                | 8.9                 | 5.5  | 3.2   | 10.2    | 7.8  | 3.7   | 11.5     | 8.7  | 3.7   |
| Initial Pacemaker Insertion.....           | 13                 | 0.0                 | 3.6  | ----- | 7.7     | 6.8  | ----- | 7.7      | 9.3  | ----- |
| Carotid Endarterectomy.....                | 27                 | 3.7                 | 1.4  | ----- | 7.4     | 2.6  | ----- | 7.4      | 3.9  | ----- |
| Hip Replacement/Reconstruction.....        | 114                | 1.8                 | 2.8  | 2.4   | 3.5     | 5.2  | 3.1   | 5.3      | 7.1  | 2.8   |
| Open Reduction of Hip Fracture.....        | 40                 | 7.5                 | 8.4  | ----- | 10.0    | 15.1 | ----- | 12.5     | 19.4 | ----- |
| Prostatectomy.....                         | 94                 | 1.1                 | 1.1  | 1.4   | 3.2     | 2.5  | 2.5   | 6.4      | 4.3  | 3.2   |
| Cholecystectomy.....                       | 56                 | 3.6                 | 3.0  | 2.4   | 5.4     | 5.7  | 3.5   | 5.4      | 7.7  | 4.5   |
| Hysterectomy.....                          | 65                 | 0.0                 | 0.6  | 1.0   | 0.0     | 1.3  | 1.6   | 1.5      | 2.1  | 2.1   |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TACOMA GENERAL HOSPITAL

Medicare Provider Number: 500129

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.4 years  
Proportion female..... 56.2 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 63.1 %  
Transferred from skilled nursing facility..... 0.4 %  
Admitted for elective procedure..... 3.1 %  
Admitted for emergency..... 40.2 %

### COMORBIDITIES:

Cancer..... 8.8 %  
Chronic cardiovascular disease..... 37.9 %  
Chronic liver disease..... 1.1 %  
Chronic renal disease..... 1.9 %  
Chronic pulmonary disease..... 19.6 %  
Cerebrovascular degeneration..... 5.0 %  
Diabetes mellitus..... 6.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 88.2%  
State ..... 9.7%  
Outside State ..... 2.1%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 7.2 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 323  
Occupancy Rate ..... 71.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges .....(Not Available)  
Case Mix Index (CMI) ..... 1.6437

### STAFFING:

Total Number of Physicians..... (Not Available)  
Percent of Physicians Board  
Certified Specialists .....(Not Available)  
Medical Residents/Interns ..... (Not Available)  
Registered Nurses..... (Not Available)  
Licensed Practical Nurses ..... (Not Available)

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... Yes  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... Yes  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# TRI-STATE MEMORIAL HOSPITAL

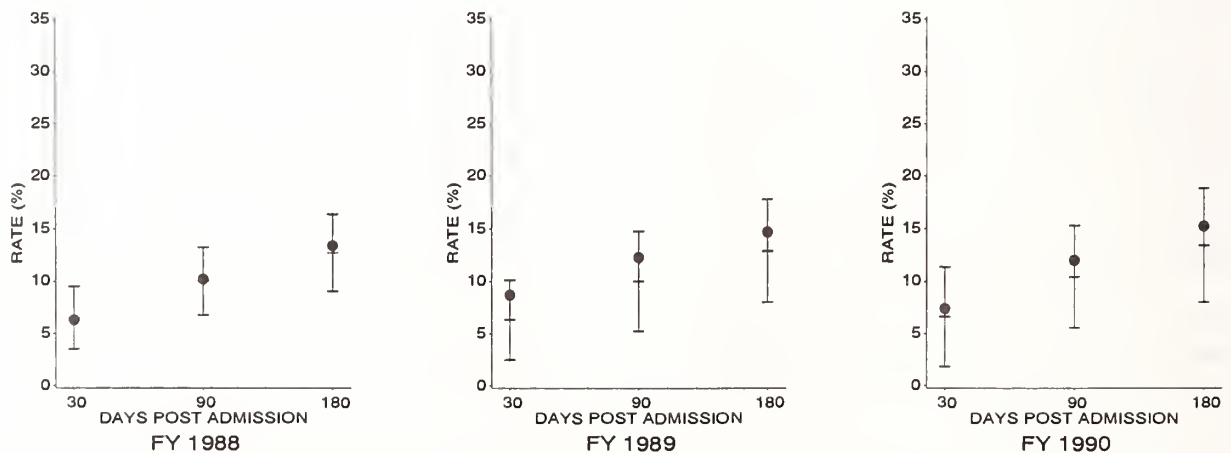
1221 HIGHLAND AVE, BOX 151  
CLARKSTON, WA 99403  
Medicare Provider Number: 500057

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 408             | 7.4                 | 6.6  | 2.4   | 12.0    | 10.4 | 2.4   | 15.2     | 13.4 | 2.7   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 7               | 42.9                | 31.9 | ----- | 42.9    | 37.0 | ----- | 42.9     | 40.4 | ----- |
| Congestive Heart Failure.....              | 11              | 18.2                | 16.7 | ----- | 36.4    | 26.2 | ----- | 36.4     | 33.5 | ----- |
| Pneumonia/Influenza.....                   | 23              | 34.8                | 16.4 | ----- | 39.1    | 23.0 | ----- | 52.2     | 28.1 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7               | 14.3                | 6.0  | ----- | 28.6    | 10.6 | ----- | 28.6     | 14.7 | ----- |
| Transient Cerebral Ischemia.....           | 7               | 0.0                 | 1.9  | ----- | 0.0     | 4.4  | ----- | 14.3     | 7.6  | ----- |
| Stroke.....                                | 20              | 5.0                 | 16.0 | ----- | 10.0    | 21.2 | ----- | 20.0     | 24.9 | ----- |
| Hip Fracture.....                          | 17              | 0.0                 | 3.7  | ----- | 11.8    | 6.9  | ----- | 11.8     | 9.8  | ----- |
| Sepsis.....                                | 2               | 50.0                | 22.9 | ----- | 50.0    | 41.2 | ----- | 50.0     | 50.1 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 3.2  | ----- | 0.0     | 5.9  | ----- | 0.0      | 8.0  | ----- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 1.1  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.1  | ----- |
| Hip Replacement/Reconstruction.....        | 18              | 0.0                 | 1.9  | ----- | 0.0     | 3.8  | ----- | 5.6      | 5.5  | ----- |
| Open Reduction of Hip Fracture.....        | 7               | 0.0                 | 3.4  | ----- | 28.6    | 6.7  | ----- | 28.6     | 9.1  | ----- |
| Prostatectomy.....                         | 32              | 0.0                 | 0.6  | ----- | 3.1     | 1.4  | ----- | 3.1      | 2.6  | ----- |
| Cholecystectomy.....                       | 4               | 0.0                 | 0.6  | ----- | 0.0     | 1.1  | ----- | 0.0      | 1.5  | ----- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.4  | ----- | 0.0     | 0.9  | ----- | 0.0      | 1.3  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# TRI-STATE MEMORIAL HOSPITAL

Medicare Provider Number: 500057

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 76.0 years  
Proportion female..... 53.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 94.4 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 32.8 %  
Admitted for emergency..... 13.7 %

### COMORBIDITIES:

Cancer..... 7.4 %  
Chronic cardiovascular disease..... 22.1 %  
Chronic liver disease..... 0.5 %  
Chronic renal disease..... 2.0 %  
Chronic pulmonary disease..... 12.3 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 4.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 62.8%  
State ..... 5.8%  
Outside State ..... 31.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.6 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 58  
Occupancy Rate ..... 24.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 56.2 %  
Case Mix Index (CMI) ..... 1.2109

### STAFFING:

Total Number of Physicians..... 53  
Percent of Physicians Board  
Certified Specialists ..... 67.9 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 43  
Licensed Practical Nurses..... 21

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... No  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... Yes  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# UNITED GENERAL HOSPITAL

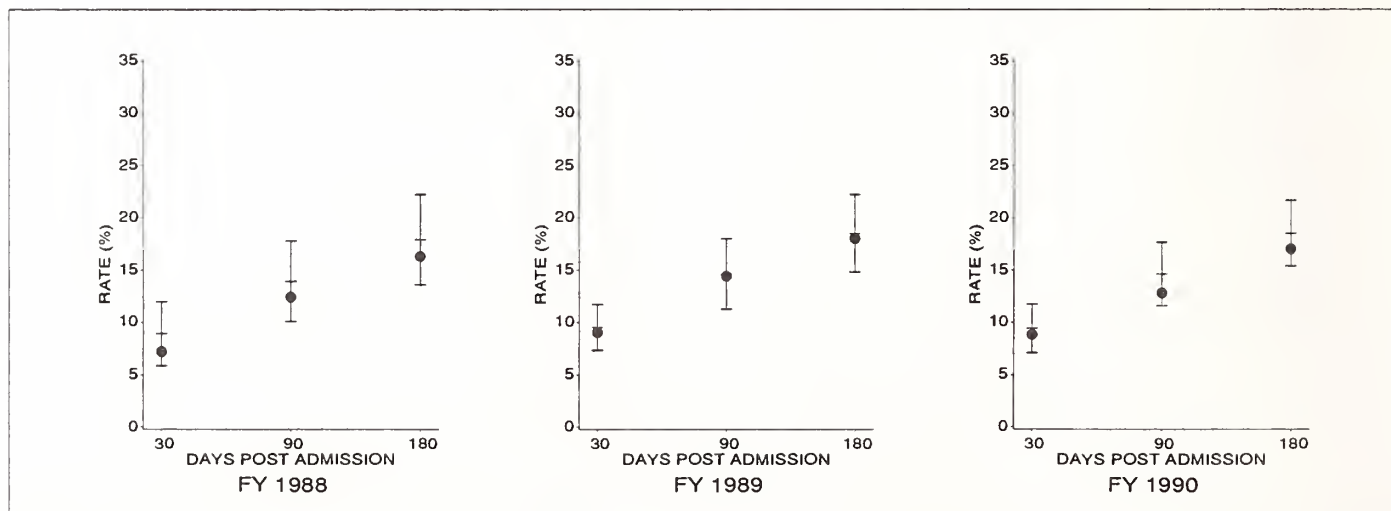
1917 HIGHWAY 20 BOX 410  
SEDRO WOOLLEY, WA 98284  
Medicare Provider Number: 500093

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 924                | 8.8                 | 9.4  | 1.2   | 12.8    | 14.6 | 1.5   | 17.0     | 18.5 | 1.6   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 41                 | 17.1                | 24.1 | ----- | 17.1    | 26.9 | ----- | 22.0     | 29.4 | ----- |
| Congestive Heart Failure.....              | 36                 | 13.9                | 14.6 | ----- | 22.2    | 23.0 | ----- | 25.0     | 29.5 | ----- |
| Pneumonia/Influenza.....                   | 76                 | 13.2                | 18.0 | 7.1   | 18.4    | 24.9 | 6.7   | 25.0     | 29.1 | 5.9   |
| Chronic Obstructive Pulmonary Disease..... | 18                 | 11.1                | 5.9  | ----- | 22.2    | 11.0 | ----- | 22.2     | 15.1 | ----- |
| Transient Cerebral Ischemia.....           | 11                 | 0.0                 | 1.8  | ----- | 0.0     | 4.0  | ----- | 9.1      | 6.6  | ----- |
| Stroke.....                                | 33                 | 12.1                | 18.7 | ----- | 18.2    | 25.8 | ----- | 21.2     | 29.7 | ----- |
| Hip Fracture.....                          | 32                 | 9.4                 | 6.5  | ----- | 12.5    | 11.5 | ----- | 12.5     | 14.8 | ----- |
| Sepsis.....                                | 7                  | 0.0                 | 24.1 | ----- | 28.6    | 33.7 | ----- | 28.6     | 39.2 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3                  | 0.0                 | 9.9  | ----- | 0.0     | 14.1 | ----- | 33.3     | 16.6 | ----- |
| Carotid Endarterectomy.....                | 12                 | 0.0                 | 0.8  | ----- | 0.0     | 1.6  | ----- | 0.0      | 2.6  | ----- |
| Hip Replacement/Reconstruction.....        | 17                 | 5.9                 | 2.8  | ----- | 5.9     | 5.2  | ----- | 11.8     | 7.0  | ----- |
| Open Reduction of Hip Fracture.....        | 22                 | 4.5                 | 6.5  | ----- | 9.1     | 11.7 | ----- | 9.1      | 15.2 | ----- |
| Prostatectomy.....                         | 58                 | 0.0                 | 0.8  | 1.4   | 1.7     | 2.0  | 1.9   | 3.4      | 3.4  | 2.6   |
| Cholecystectomy.....                       | 17                 | 0.0                 | 2.7  | ----- | 0.0     | 4.9  | ----- | 0.0      | 6.2  | ----- |
| Hysterectomy.....                          | 4                  | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNITED GENERAL HOSPITAL

Medicare Provider Number: 500093

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.1 years  
Proportion female..... 50.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 43.0 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 25.4 %  
Admitted for emergency..... 44.4 %

### COMORBIDITIES:

Cancer..... 13.9 %  
Chronic cardiovascular disease..... 26.3 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 2.4 %  
Chronic pulmonary disease..... 16.0 %  
Cerebrovascular degeneration..... 3.0 %  
Diabetes mellitus..... 5.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 87.1%  
State ..... 11.5%  
Outside State ..... 1.4%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.1 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 97  
Ownership/Control..... District/Authority  
Case Mix Index (CMI) ..... 1.1292

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses ..... 67  
Licensed Practical Nurses ..... 8

### SPECIALTY SERVICES:

Burn Unit ..... Yes  
Coronary Care Unit ..... Yes  
Hospice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... Yes

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... Yes  
Rehabilitation..... Yes  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# UNIVERSITY HOSPITAL

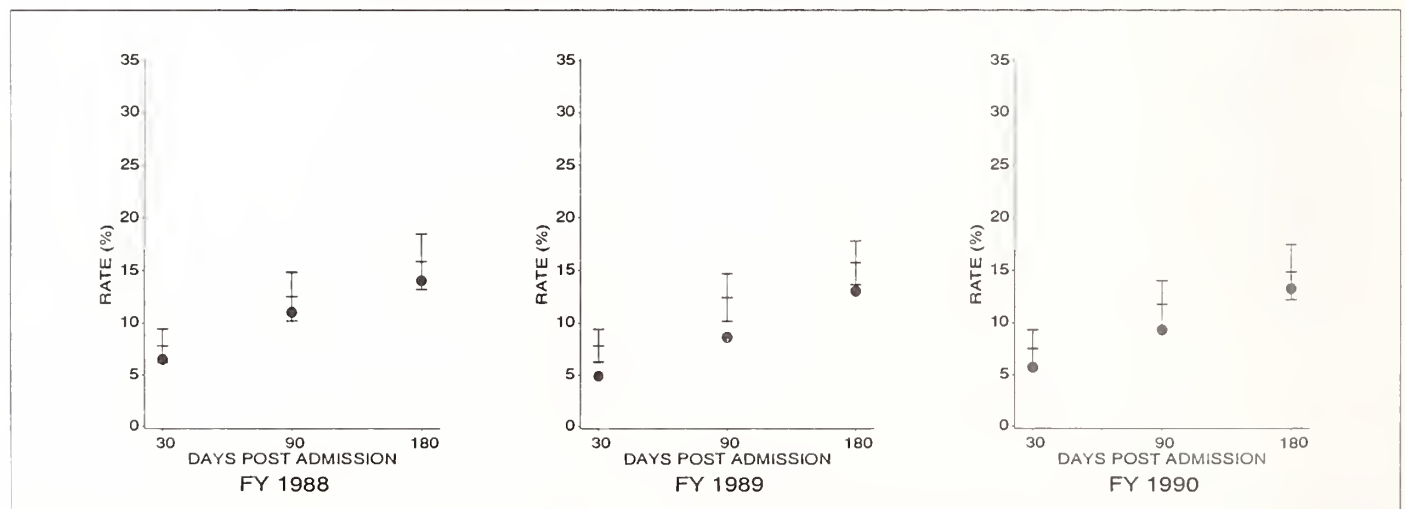
1959 NE PACIFIC ST  
SEATTLE, WA 98195  
Medicare Provider Number: 500008

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 1498            | 5.7                 | 7.5  | 0.9  | 9.3     | 11.7 | 1.1  | 13.2     | 14.8 | 1.3  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 20              | 30.0                | 25.4 | ---- | 30.0    | 28.1 | ---- | 35.0     | 30.5 | ---- |
| Congestive Heart Failure.....              | 31              | 12.9                | 14.4 | ---- | 19.4    | 23.1 | ---- | 22.6     | 29.3 | ---- |
| Pneumonia/Influenza.....                   | 26              | 23.1                | 11.9 | ---- | 23.1    | 16.0 | ---- | 30.8     | 18.9 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 2               | 0.0                 | 4.9  | ---- | 0.0     | 9.0  | ---- | 0.0      | 13.1 | ---- |
| Transient Cerebral Ischemia.....           | 4               | 0.0                 | 1.5  | ---- | 0.0     | 3.2  | ---- | 0.0      | 5.3  | ---- |
| Stroke.....                                | 33              | 12.1                | 18.3 | ---- | 15.2    | 24.9 | ---- | 18.2     | 28.6 | ---- |
| Hip Fracture.....                          | 17              | 0.0                 | 6.9  | ---- | 0.0     | 11.7 | ---- | 0.0      | 15.1 | ---- |
| Sepsis.....                                | 5               | 20.0                | 31.3 | ---- | 40.0    | 38.3 | ---- | 40.0     | 42.8 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 50              | 0.0                 | 1.7  | ---- | 0.0     | 2.4  | ---- | 0.0      | 3.0  | ---- |
| Coronary Artery Bypass Graft.....          | 97              | 7.2                 | 6.4  | 2.7  | 11.3    | 9.2  | 3.6  | 14.4     | 10.4 | 4.8  |
| Initial Pacemaker Insertion.....           | 9               | 0.0                 | 3.1  | ---- | 0.0     | 6.1  | ---- | 0.0      | 8.7  | ---- |
| Carotid Endarterectomy.....                | 9               | 0.0                 | 3.2  | ---- | 0.0     | 5.7  | ---- | 0.0      | 7.5  | ---- |
| Hip Replacement/Reconstruction.....        | 40              | 0.0                 | 2.6  | ---- | 0.0     | 4.8  | ---- | 0.0      | 6.6  | ---- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 6.9  | ---- | 0.0     | 12.2 | ---- | 0.0      | 15.3 | ---- |
| Prostatectomy.....                         | 38              | 0.0                 | 0.8  | ---- | 0.0     | 1.8  | ---- | 0.0      | 3.1  | ---- |
| Cholecystectomy.....                       | 10              | 0.0                 | 2.7  | ---- | 0.0     | 5.2  | ---- | 0.0      | 6.9  | ---- |
| Hysterectomy.....                          | 28              | 0.0                 | 1.8  | ---- | 3.6     | 4.2  | ---- | 7.1      | 6.6  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE ( $\pm 2$ SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# UNIVERSITY HOSPITAL

Medicare Provider Number: 500008

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 67.5 years |
| Proportion female.....        | 47.1 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 29.4 % |
| Transferred from skilled nursing facility..... | 0.2 %  |
| Admitted for elective procedure.....           | 46.5 % |
| Admitted for emergency.....                    | 36.7 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 11.7 % |
| Chronic cardiovascular disease..... | 30.6 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 3.8 %  |
| Chronic pulmonary disease.....      | 7.0 %  |
| Cerebrovascular degeneration.....   | 3.1 %  |
| Diabetes mellitus.....              | 5.7 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City.....    | 49.8%  |
| State.....          | 39.3%  |
| Outside State ..... | 10.9%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 9.1 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                  |
|----------------------------|------------------|
| Total Beds .....           | 377              |
| Occupancy Rate .....       | 82.0 %           |
| Ownership/Control.....     | State Government |
| Medicare Discharges .....  | 20.2 %           |
| Case Mix Index (CMI) ..... | 1.9049           |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | 950             |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | 123             |
| Registered Nurses.....                                     | 710             |
| Licensed Practical Nurses.....                             | 11              |

### SPECIALTY SERVICES:

|                                      |     |
|--------------------------------------|-----|
| Burn Unit .....                      | No  |
| Cardiac Intensive Care .....         | No  |
| Comprehensive Geriatric .....        | Yes |
| Hospice Care .....                   | No  |
| Medical/Surgical Intensive Care..... | Yes |
| Organ/Tissue Transplant .....        | Yes |
| Other Intensive Care .....           | No  |
| Trauma Center .....                  | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | No  |
| Rehabilitation.....       | Yes |
| Psychiatric .....         | Yes |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# VALLEY GENERAL HOSPITAL

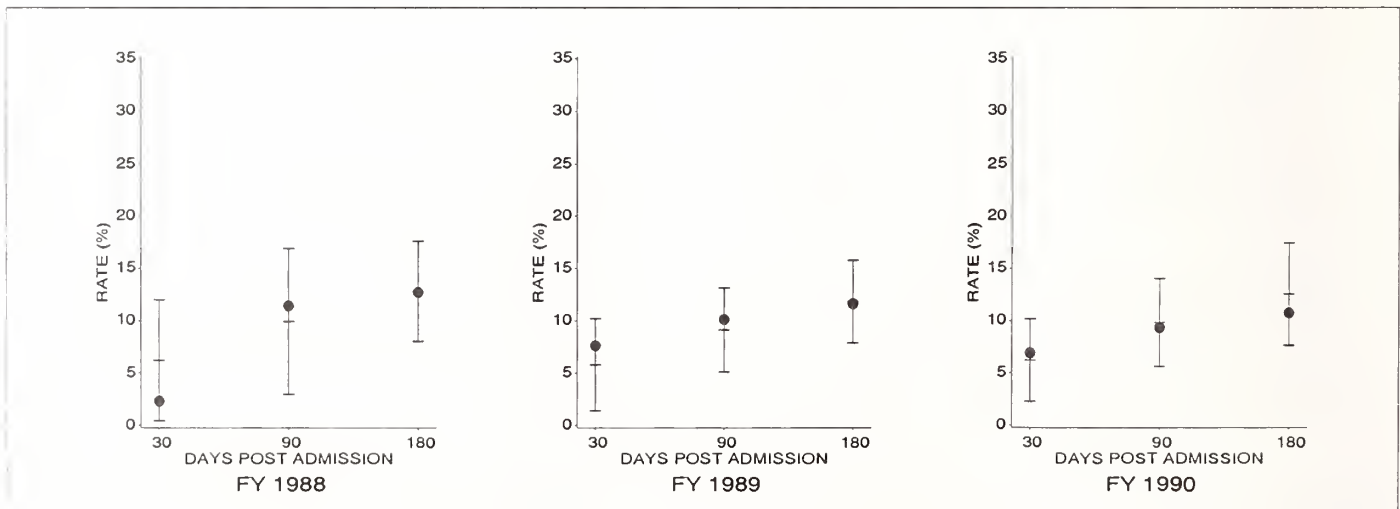
14701 179TH SE  
MONROE, WA 98272  
Medicare Provider Number: 500084

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 291             | 6.9                 | 6.2  | 2.0   | 9.3     | 9.8  | 2.1   | 10.7     | 12.5 | 2.5   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 3               | 0.0                 | 30.4 | ----- | 0.0     | 35.3 | ----- | 0.0      | 38.8 | ----- |
| Congestive Heart Failure.....              | 21              | 4.8                 | 14.9 | ----- | 9.5     | 22.8 | ----- | 14.3     | 28.4 | ----- |
| Pneumonia/Influenza.....                   | 13              | 23.1                | 14.1 | ----- | 23.1    | 21.3 | ----- | 38.5     | 25.5 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 8               | 0.0                 | 7.3  | ----- | 0.0     | 13.0 | ----- | 0.0      | 17.3 | ----- |
| Transient Cerebral Ischemia.....           | 5               | 20.0                | 0.9  | ----- | 20.0    | 2.2  | ----- | 20.0     | 4.0  | ----- |
| Stroke.....                                | 6               | 33.3                | 13.9 | ----- | 33.3    | 20.0 | ----- | 33.3     | 23.6 | ----- |
| Hip Fracture.....                          | 12              | 0.0                 | 3.7  | ----- | 0.0     | 6.7  | ----- | 0.0      | 9.1  | ----- |
| Sepsis.....                                | 2               | 50.0                | 46.8 | ----- | 50.0    | 51.7 | ----- | 50.0     | 55.0 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0               |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 4               | 0.0                 | 2.2  | ----- | 0.0     | 4.5  | ----- | 0.0      | 6.2  | ----- |
| Open Reduction of Hip Fracture.....        | 3               | 0.0                 | 2.6  | ----- | 0.0     | 4.8  | ----- | 0.0      | 6.9  | ----- |
| Prostatectomy.....                         | 15              | 6.7                 | 0.6  | ----- | 6.7     | 1.5  | ----- | 6.7      | 2.7  | ----- |
| Cholecystectomy.....                       | 1               | 0.0                 | 0.8  | ----- | 0.0     | 1.5  | ----- | 0.0      | 2.0  | ----- |
| Hysterectomy.....                          | 6               | 0.0                 | 0.3  | ----- | 0.0     | 0.7  | ----- | 0.0      | 1.1  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# VALLEY GENERAL HOSPITAL

Medicare Provider Number: 500084

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 72.2 years |
| Proportion female.....        | 48.8 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 42.3 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 14.1 % |
| Admitted for emergency.....                    | 0.7 %  |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 2.1 %  |
| Chronic cardiovascular disease..... | 16.2 % |
| Chronic liver disease.....          | 3.1 %  |
| Chronic renal disease.....          | 1.4 %  |
| Chronic pulmonary disease.....      | 14.8 % |
| Cerebrovascular degeneration.....   | 3.4 %  |
| Diabetes mellitus.....              | 3.8 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 80.2%  |
| State .....         | 17.2%  |
| Outside State ..... | 2.6%   |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 7.7 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                    |
|----------------------------|--------------------|
| Total Beds .....           | 69                 |
| Occupancy Rate .....       | 71.0 %             |
| Ownership/Control.....     | District/Authority |
| Medicare Discharges .....  | 22.8 %             |
| Case Mix Index (CMI) ..... | 0.9835             |

### STAFFING:

|                                                            |        |
|------------------------------------------------------------|--------|
| Total Number of Physicians.....                            | 22     |
| Percent of Physicians Board<br>Certified Specialists ..... | 90.9 % |
| Medical Residents/Interns .....                            | 0      |
| Registered Nurses.....                                     | 47     |
| Licensed Practical Nurses.....                             | 4      |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | Yes |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | Yes |
| Medical/Surgical Intensive Care ..... | No  |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric .....         | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# VALLEY HOSPITAL & MEDICAL CENTER

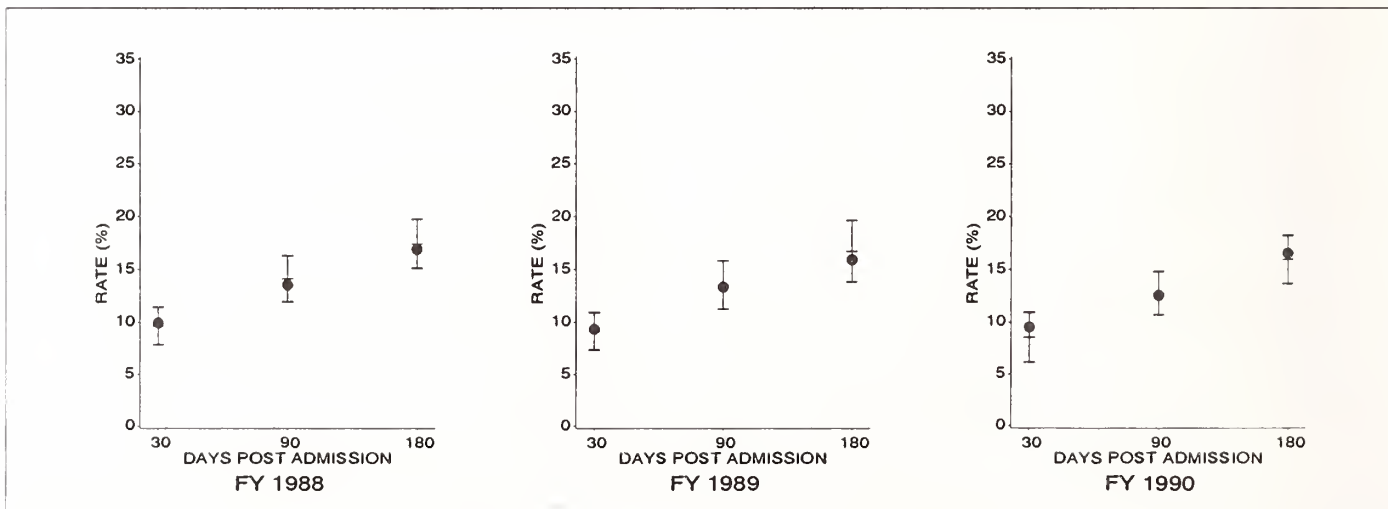
12606 EAST MISSION AVENUE  
SPOKANE, WA 99216  
Medicare Provider Number: 500119

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1292            | 9.5                 | 8.5  | 1.2   | 12.5    | 12.7 | 1.0   | 16.5     | 15.9 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 35              | 25.7                | 27.0 | ----- | 31.4    | 30.4 | ----- | 34.3     | 33.1 | ----- |
| Congestive Heart Failure.....              | 69              | 8.7                 | 14.3 | 6.2   | 17.4    | 22.4 | 6.0   | 30.4     | 28.5 | 6.2   |
| Pneumonia/Influenza.....                   | 73              | 16.4                | 13.1 | 4.5   | 23.3    | 18.2 | 5.6   | 30.1     | 21.8 | 6.7   |
| Chronic Obstructive Pulmonary Disease..... | 31              | 12.9                | 8.1  | ----- | 16.1    | 13.7 | ----- | 22.6     | 17.8 | ----- |
| Transient Cerebral Ischemia.....           | 23              | 0.0                 | 1.5  | ----- | 0.0     | 3.4  | ----- | 0.0      | 5.9  | ----- |
| Stroke.....                                | 69              | 29.0                | 20.5 | 6.6   | 31.9    | 28.2 | 5.9   | 33.3     | 32.4 | 5.7   |
| Hip Fracture.....                          | 48              | 4.2                 | 5.9  | ----- | 10.4    | 10.4 | ----- | 16.7     | 13.7 | ----- |
| Sepsis.....                                | 13              | 7.7                 | 24.6 | ----- | 7.7     | 32.4 | ----- | 30.8     | 37.7 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 4               | 0.0                 | 2.5  | ----- | 0.0     | 5.1  | ----- | 0.0      | 7.5  | ----- |
| Carotid Endarterectomy.....                | 11              | 0.0                 | 1.6  | ----- | 0.0     | 3.1  | ----- | 0.0      | 4.6  | ----- |
| Hip Replacement/Reconstruction.....        | 33              | 3.0                 | 2.9  | ----- | 6.1     | 5.2  | ----- | 12.1     | 6.9  | ----- |
| Open Reduction of Hip Fracture.....        | 30              | 3.3                 | 5.4  | ----- | 10.0    | 9.9  | ----- | 13.3     | 13.2 | ----- |
| Prostatectomy.....                         | 74              | 0.0                 | 0.6  | 1.4   | 1.4     | 1.5  | 2.0   | 2.7      | 2.7  | 3.0   |
| Cholecystectomy.....                       | 27              | 0.0                 | 1.5  | ----- | 0.0     | 2.6  | ----- | 0.0      | 3.3  | ----- |
| Hysterectomy.....                          | 14              | 0.0                 | 0.1  | ----- | 0.0     | 0.3  | ----- | 0.0      | 0.6  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# VALLEY HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 500119

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.9 years  
Proportion female..... 57.7 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 47.2 %  
Transferred from skilled nursing facility..... 1.2 %  
Admitted for elective procedure..... 31.0 %  
Admitted for emergency..... 34.2 %

### COMORBIDITIES:

Cancer..... 6.2 %  
Chronic cardiovascular disease..... 37.5 %  
Chronic liver disease..... 0.6 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 17.6 %  
Cerebrovascular degeneration..... 5.2 %  
Diabetes mellitus..... 5.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.7%  
State ..... 5.3%  
Outside State ..... 7.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 5.5 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 123  
Occupancy Rate ..... 41.0 %  
Ownership/Control..... Private, Non-Profit  
Medicare Discharges ..... 42.1 %  
Case Mix Index (CMI) ..... 1.2586

### STAFFING:

Total Number of Physicians..... 305  
Percent of Physicians Board  
Certified Specialists..... 81.6 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 97  
Licensed Practical Nurses ..... 22

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care ..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# VALLEY MEDICAL CENTER

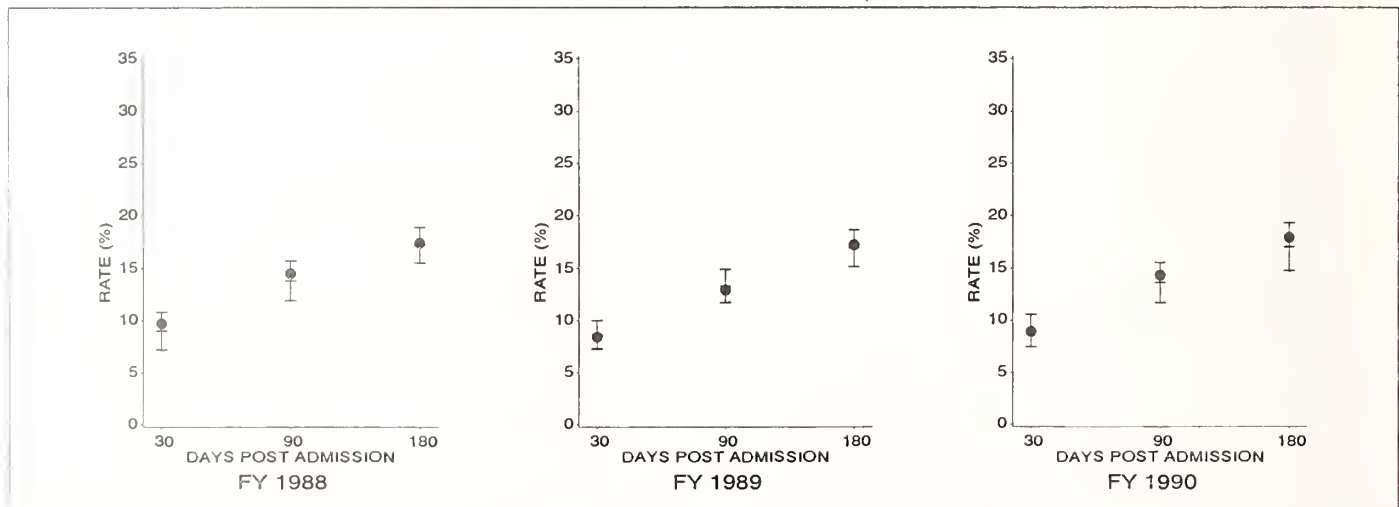
400 S 43RD ST  
RENTON, WA 98055  
Medicare Provider Number: 500088

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 2301               | 8.9                 | 9.0  | 0.8   | 14.3    | 13.6 | 1.0   | 17.9     | 17.0 | 1.1   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 65                 | 24.6                | 21.5 | 7.6   | 27.7    | 24.2 | 8.4   | 30.8     | 26.9 | 8.9   |
| Congestive Heart Failure.....              | 98                 | 11.2                | 15.1 | 6.0   | 20.4    | 23.2 | 6.9   | 27.6     | 29.4 | 8.0   |
| Pneumonia/Influenza.....                   | 91                 | 15.4                | 13.6 | 3.8   | 18.7    | 18.8 | 4.1   | 22.0     | 22.5 | 4.5   |
| Chronic Obstructive Pulmonary Disease..... | 40                 | 7.5                 | 7.2  | ----- | 15.0    | 13.0 | ----- | 20.0     | 17.5 | ----- |
| Transient Cerebral Ischemia.....           | 21                 | 0.0                 | 1.4  | ----- | 0.0     | 3.2  | ----- | 0.0      | 5.2  | ----- |
| Stroke.....                                | 101                | 20.8                | 21.3 | 4.1   | 30.7    | 27.9 | 4.8   | 33.7     | 31.8 | 5.3   |
| Hip Fracture.....                          | 79                 | 5.1                 | 6.2  | 3.3   | 11.4    | 11.0 | 3.6   | 16.5     | 14.3 | 4.6   |
| Sepsis.....                                | 14                 | 7.1                 | 17.9 | ----- | 14.3    | 24.1 | ----- | 14.3     | 27.8 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 6                  | 50.0                | 13.1 | ----- | 50.0    | 15.0 | ----- | 50.0     | 16.5 | ----- |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 8                  | 0.0                 | 5.5  | ----- | 0.0     | 10.9 | ----- | 12.5     | 15.7 | ----- |
| Carotid Endarterectomy.....                | 16                 | 0.0                 | 1.0  | ----- | 0.0     | 1.9  | ----- | 0.0      | 2.9  | ----- |
| Hip Replacement/Reconstruction.....        | 75                 | 2.7                 | 3.2  | 2.1   | 6.7     | 5.7  | 2.8   | 8.0      | 7.5  | 3.2   |
| Open Reduction of Hip Fracture.....        | 36                 | 8.3                 | 4.6  | ----- | 11.1    | 8.4  | ----- | 16.7     | 11.3 | ----- |
| Prostatectomy.....                         | 90                 | 0.0                 | 0.6  | 0.9   | 0.0     | 1.4  | 1.5   | 0.0      | 2.5  | 2.2   |
| Cholecystectomy.....                       | 38                 | 2.6                 | 2.7  | ----- | 5.3     | 4.0  | ----- | 5.3      | 4.8  | ----- |
| Hysterectomy.....                          | 22                 | 0.0                 | 0.1  | ----- | 0.0     | 0.4  | ----- | 0.0      | 0.7  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# VALLEY MEDICAL CENTER

Medicare Provider Number: 500088

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 73.9 years  
Proportion female..... 57.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 44.0 %  
Transferred from skilled nursing facility..... 0.1 %  
Admitted for elective procedure..... 26.9 %  
Admitted for emergency..... 16.4 %

### COMORBIDITIES:

Cancer..... 8.5 %  
Chronic cardiovascular disease..... 28.9 %  
Chronic liver disease..... 1.4 %  
Chronic renal disease..... 3.7 %  
Chronic pulmonary disease..... 12.9 %  
Cerebrovascular degeneration..... 4.5 %  
Diabetes mellitus..... 7.3 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 90.6%  
State..... 5.4%  
Outside State..... 4.0%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 7.0 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds..... 280  
Occupancy Rate..... 74.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges..... 23.9 %  
Case Mix Index (CMI)..... 1.3246

### STAFFING:

Total Number of Physicians..... 269  
Percent of Physicians Board  
Certified Specialists..... 75.8 %  
Medical Residents/Interns..... 17  
Registered Nurses..... 331  
Licensed Practical Nurses..... 55

### SPECIALTY SERVICES:

Burn Unit..... No  
Cardiac Intensive Care..... Yes  
Comprehensive Geriatric..... No  
Hospice Care..... No  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant..... No  
Other Intensive Care..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... Yes  
Psychiatric..... Yes  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates



# VIRGINIA MASON HOSPITAL

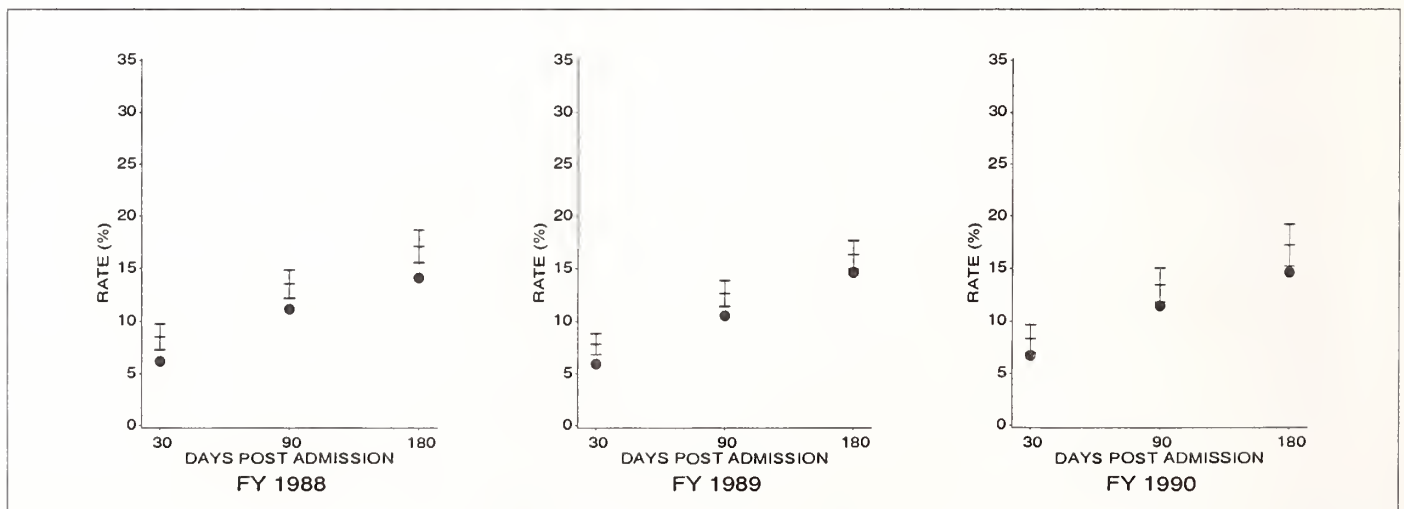
925 SENECA STREET  
SEATTLE, WA 98101  
Medicare Provider Number: 500005

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 3172            | 6.7                 | 8.3  | 0.7  | 11.4    | 13.4 | 0.8  | 14.6     | 17.2 | 1.0  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 64              | 15.6                | 26.6 | 8.4  | 18.8    | 29.5 | 8.4  | 20.3     | 32.1 | 8.5  |
| Congestive Heart Failure.....              | 86              | 11.6                | 13.8 | 4.6  | 18.6    | 22.3 | 7.1  | 22.1     | 28.8 | 8.4  |
| Pneumonia/Influenza.....                   | 97              | 9.3                 | 14.2 | 5.7  | 19.6    | 20.1 | 5.0  | 20.6     | 24.0 | 5.2  |
| Chronic Obstructive Pulmonary Disease..... | 31              | 12.9                | 9.7  | ---- | 16.1    | 16.5 | ---- | 22.6     | 21.4 | ---- |
| Transient Cerebral Ischemia.....           | 25              | 0.0                 | 1.1  | ---- | 0.0     | 2.5  | ---- | 0.0      | 4.0  | ---- |
| Stroke.....                                | 82              | 17.1                | 17.9 | 4.3  | 18.3    | 23.9 | 5.5  | 19.5     | 27.6 | 6.6  |
| Hip Fracture.....                          | 43              | 2.3                 | 7.2  | ---- | 7.0     | 12.7 | ---- | 14.0     | 16.5 | ---- |
| Sepsis.....                                | 24              | 29.2                | 25.0 | ---- | 33.3    | 33.4 | ---- | 37.5     | 38.4 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 54              | 0.0                 | 2.4  | ---- | 0.0     | 3.2  | ---- | 0.0      | 4.1  | ---- |
| Coronary Artery Bypass Graft.....          | 70              | 2.9                 | 5.5  | 3.5  | 4.3     | 8.0  | 5.3  | 4.3      | 9.1  | 6.1  |
| Initial Pacemaker Insertion.....           | 28              | 3.6                 | 2.8  | ---- | 3.6     | 5.3  | ---- | 3.6      | 7.6  | ---- |
| Carotid Endarterectomy.....                | 36              | 0.0                 | 1.1  | ---- | 0.0     | 2.1  | ---- | 0.0      | 3.1  | ---- |
| Hip Replacement/Reconstruction.....        | 114             | 0.0                 | 1.8  | 2.1  | 3.5     | 3.3  | 2.0  | 7.0      | 4.6  | 3.1  |
| Open Reduction of Hip Fracture.....        | 13              | 0.0                 | 4.6  | ---- | 7.7     | 8.9  | ---- | 7.7      | 12.2 | ---- |
| Prostatectomy.....                         | 152             | 0.0                 | 0.5  | 0.6  | 0.0     | 1.1  | 1.0  | 0.7      | 2.1  | 1.3  |
| Cholecystectomy.....                       | 68              | 1.5                 | 2.2  | 1.9  | 1.5     | 4.6  | 3.4  | 4.4      | 6.7  | 3.5  |
| Hysterectomy.....                          | 29              | 0.0                 | 1.2  | ---- | 0.0     | 2.8  | ---- | 0.0      | 4.5  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# VIRGINIA MASON HOSPITAL

Medicare Provider Number: 500005

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 72.0 years

Proportion female..... 49.9 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 59.0 %

Transferred from skilled nursing facility..... 0.1 %

Admitted for elective procedure..... 51.1 %

Admitted for emergency..... 28.1 %

### COMORBIDITIES:

Cancer..... 13.0 %

Chronic cardiovascular disease..... 30.7 %

Chronic liver disease..... 1.6 %

Chronic renal disease..... 5.3 %

Chronic pulmonary disease..... 11.3 %

Cerebrovascular degeneration..... 2.9 %

Diabetes mellitus..... 8.9 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 52.0%

State ..... 39.8%

Outside State ..... 8.2%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.8 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 258

Occupancy Rate ..... 74.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 42.9 %

Case Mix Index (CMI) ..... 1.6901

### STAFFING:

Total Number of Physicians..... 255

Percent of Physicians Board  
Certified Specialists..... 90.2 %

Medical Residents/Interns ..... 71

Registered Nurses..... 377

Licensed Practical Nurses ..... 0

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... Yes

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... Yes

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... Yes

Psychiatric ..... No

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WALLA WALLA GENERAL HOSPITAL

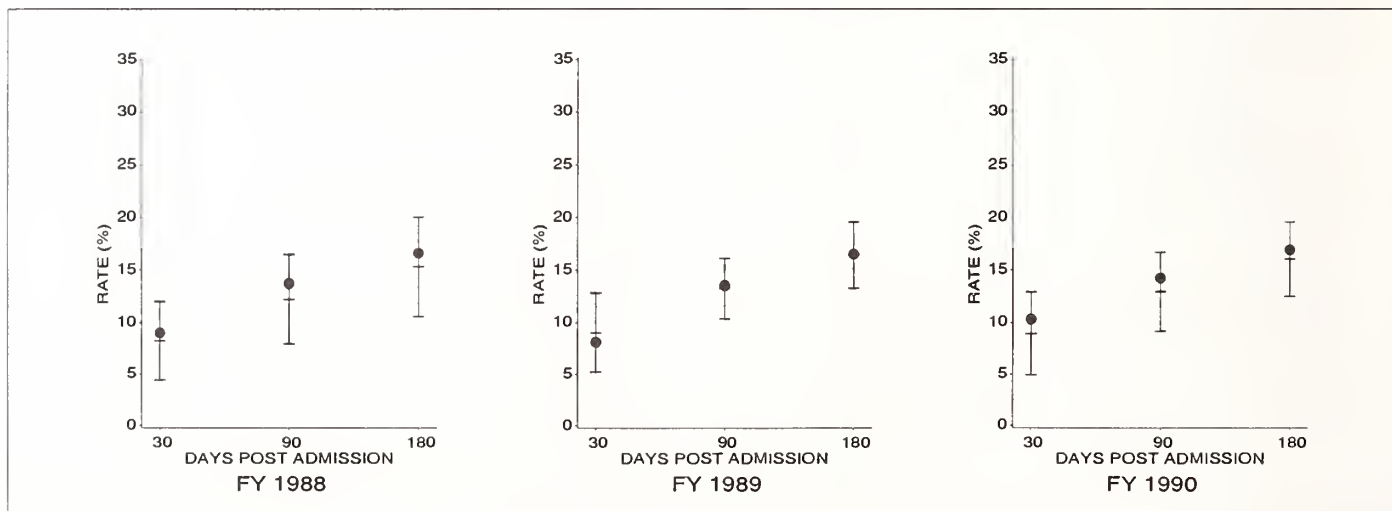
1025 S SECOND AVE  
WALLA WALLA, WA 99362  
Medicare Provider Number: 500049

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 515             | 10.3                | 8.9  | 2.0  | 14.2    | 12.9 | 1.9  | 16.9     | 16.0 | 1.8  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 43              | 25.6                | 23.4 | ---- | 25.6    | 26.2 | ---- | 27.9     | 28.8 | ---- |
| Congestive Heart Failure.....              | 17              | 23.5                | 18.1 | ---- | 23.5    | 28.0 | ---- | 35.3     | 34.7 | ---- |
| Pneumonia/Influenza.....                   | 20              | 10.0                | 14.0 | ---- | 25.0    | 19.6 | ---- | 25.0     | 23.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 5               | 20.0                | 5.7  | ---- | 40.0    | 11.2 | ---- | 40.0     | 16.1 | ---- |
| Transient Cerebral Ischemia.....           | 6               | 0.0                 | 2.2  | ---- | 0.0     | 4.9  | ---- | 0.0      | 8.0  | ---- |
| Stroke.....                                | 15              | 13.3                | 23.5 | ---- | 13.3    | 30.2 | ---- | 13.3     | 34.6 | ---- |
| Hip Fracture.....                          | 14              | 0.0                 | 6.5  | ---- | 21.4    | 11.1 | ---- | 21.4     | 14.6 | ---- |
| Sepsis.....                                | 3               | 0.0                 | 16.3 | ---- | 33.3    | 23.1 | ---- | 33.3     | 27.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 2               | 0.0                 | 4.9  | ---- | 0.0     | 9.5  | ---- | 0.0      | 14.3 | ---- |
| Carotid Endarterectomy.....                | 4               | 0.0                 | 0.9  | ---- | 0.0     | 1.9  | ---- | 0.0      | 2.9  | ---- |
| Hip Replacement/Reconstruction.....        | 14              | 0.0                 | 0.9  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.7  | ---- |
| Open Reduction of Hip Fracture.....        | 6               | 0.0                 | 6.0  | ---- | 33.3    | 10.5 | ---- | 33.3     | 13.5 | ---- |
| Prostatectomy.....                         | 21              | 0.0                 | 0.5  | ---- | 0.0     | 1.2  | ---- | 0.0      | 2.2  | ---- |
| Cholecystectomy.....                       | 15              | 0.0                 | 1.3  | ---- | 0.0     | 2.7  | ---- | 6.7      | 3.9  | ---- |
| Hysterectomy.....                          | 4               | 0.0                 | 0.2  | ---- | 0.0     | 0.4  | ---- | 0.0      | 0.8  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WALLA WALLA GENERAL HOSPITAL

Medicare Provider Number: 500049

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 76.1 years |
| Proportion female.....        | 56.7 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 47.6 % |
| Transferred from skilled nursing facility..... | 0.0 %  |
| Admitted for elective procedure.....           | 31.7 % |
| Admitted for emergency.....                    | 49.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 4.9 %  |
| Chronic cardiovascular disease..... | 26.4 % |
| Chronic liver disease.....          | 0.8 %  |
| Chronic renal disease.....          | 2.3 %  |
| Chronic pulmonary disease.....      | 13.4 % |
| Cerebrovascular degeneration.....   | 3.1 %  |
| Diabetes mellitus.....              | 7.2 %  |

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

|                     |        |
|---------------------|--------|
| County/City .....   | 63.9%  |
| State .....         | 4.0%   |
| Outside State ..... | 32.1%  |
| Total .....         | 100.0% |

### MEDICARE AVERAGE LENGTH OF STAY:

|                |          |
|----------------|----------|
| Hospital ..... | 5.5 Days |
| State .....    | 6.4 Days |
| National ..... | 8.6 Days |

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

|                            |                 |
|----------------------------|-----------------|
| Total Beds .....           | 72              |
| Occupancy Rate .....       | 34.0 %          |
| Ownership/Control.....     | Church          |
| Medicare Discharges .....  | (Not Available) |
| Case Mix Index (CMI) ..... | 1.2375          |

### STAFFING:

|                                                            |                 |
|------------------------------------------------------------|-----------------|
| Total Number of Physicians.....                            | (Not Available) |
| Percent of Physicians Board<br>Certified Specialists ..... | (Not Available) |
| Medical Residents/Interns .....                            | (Not Available) |
| Registered Nurses.....                                     | (Not Available) |
| Licensed Practical Nurses.....                             | (Not Available) |

### SPECIALTY SERVICES:

|                                       |     |
|---------------------------------------|-----|
| Burn Unit .....                       | No  |
| Cardiac Intensive Care .....          | No  |
| Comprehensive Geriatric .....         | No  |
| Hospice Care .....                    | No  |
| Medical/Surgical Intensive Care ..... | Yes |
| Organ/Tissue Transplant .....         | No  |
| Other Intensive Care .....            | No  |
| Trauma Center .....                   | No  |

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

|                           |     |
|---------------------------|-----|
| Alcohol/Drug .....        | Yes |
| Rehabilitation.....       | No  |
| Psychiatric.....          | No  |
| Medicare Swing Beds ..... | No  |

\*\* Except for CMI

\* Not used in calculating mortality rates

# WEST SEATTLE COMMUNITY HOSPITAL

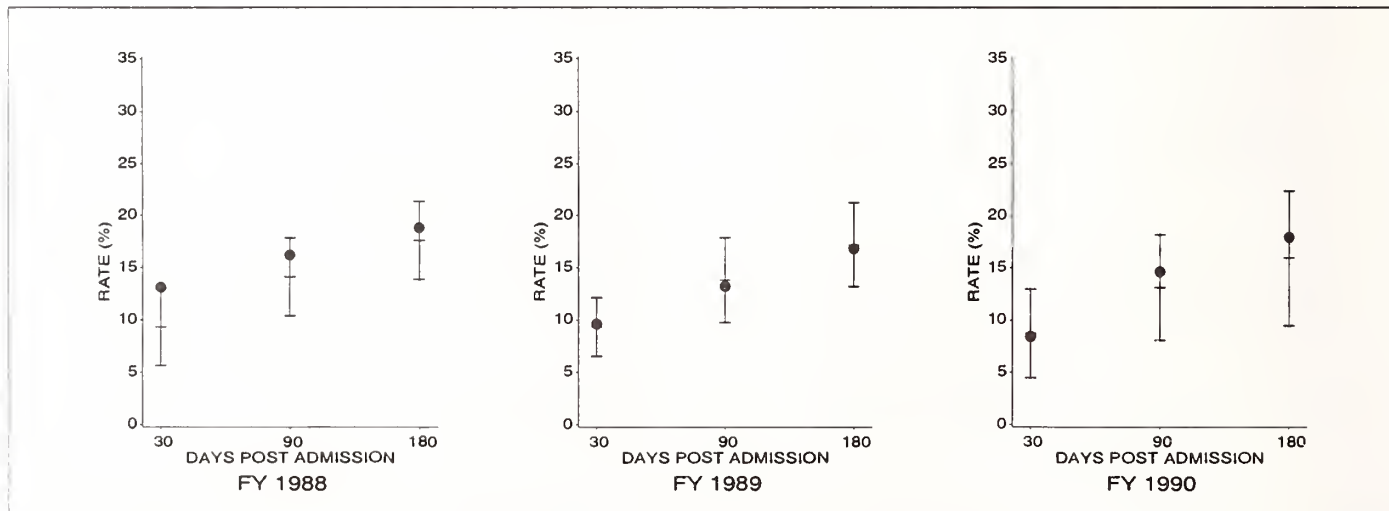
2600 SW HOLDEN ST  
SEATTLE, WA 98126  
Medicare Provider Number: 500017

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 308             | 8.4                 | 8.7  | 2.1   | 14.6    | 13.1 | 2.5   | 17.9     | 15.9 | 3.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 6               | 16.7                | 33.1 | ----- | 16.7    | 37.2 | ----- | 16.7     | 40.0 | ----- |
| Congestive Heart Failure.....              | 19              | 10.5                | 15.2 | ----- | 15.8    | 23.1 | ----- | 26.3     | 28.3 | ----- |
| Pneumonia/Influenza.....                   | 18              | 22.2                | 15.5 | ----- | 33.3    | 21.2 | ----- | 33.3     | 24.7 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 0               |                     |      |       |         |      |       |          |      |       |
| Transient Cerebral Ischemia.....           | 5               | 0.0                 | 2.0  | ----- | 0.0     | 4.6  | ----- | 0.0      | 7.4  | ----- |
| Stroke.....                                | 9               | 22.2                | 22.0 | ----- | 44.4    | 29.2 | ----- | 44.4     | 33.3 | ----- |
| Hip Fracture.....                          | 18              | 16.7                | 7.0  | ----- | 27.8    | 12.7 | ----- | 33.3     | 16.3 | ----- |
| Sepsis.....                                | 0               |                     |      |       |         |      |       |          |      |       |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 3               | 0.0                 | 3.4  | ----- | 0.0     | 6.6  | ----- | 0.0      | 9.7  | ----- |
| Carotid Endarterectomy.....                | 0               |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 15              | 0.0                 | 2.3  | ----- | 13.3    | 4.4  | ----- | 13.3     | 5.7  | ----- |
| Open Reduction of Hip Fracture.....        | 7               | 14.3                | 8.4  | ----- | 14.3    | 16.0 | ----- | 28.6     | 20.9 | ----- |
| Prostatectomy.....                         | 18              | 0.0                 | 0.8  | ----- | 0.0     | 1.8  | ----- | 0.0      | 3.0  | ----- |
| Cholecystectomy.....                       | 9               | 0.0                 | 1.8  | ----- | 0.0     | 3.3  | ----- | 0.0      | 4.4  | ----- |
| Hysterectomy.....                          | 1               | 0.0                 | 0.1  | ----- | 0.0     | 0.1  | ----- | 0.0      | 0.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES





# WEST SEATTLE COMMUNITY HOSPITAL

Medicare Provider Number: 500017

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.6 years  
Proportion female..... 59.4 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 42.9 %  
Transferred from skilled nursing facility..... 0.3 %  
Admitted for elective procedure..... 1.9 %  
Admitted for emergency..... 54.2 %

### COMORBIDITIES:

Cancer..... 4.9 %  
Chronic cardiovascular disease..... 32.8 %  
Chronic liver disease..... 1.6 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 16.2 %  
Cerebrovascular degeneration..... 6.2 %  
Diabetes mellitus..... 3.2 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 95.6%  
State..... 2.0%  
Outside State..... 2.4%  
Total..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital..... 6.5 Days  
State..... 6.4 Days  
National..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1989

### PROFILE:

Total Beds..... 198  
Ownership/Control..... Private, For Profit  
Case Mix Index (CMI)..... 1.2530

### STAFFING:

Medical Residents/Interns..... 0  
Registered Nurses..... 50  
Licensed Practical Nurses..... 5

### SPECIALTY SERVICES:

Burn Unit..... No  
Coronary Care Unit..... Yes  
Hospice Care..... No  
Intensive Care Unit..... Yes  
Organ Transplant..... No  
Trauma Center..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug..... No  
Rehabilitation..... No  
Psychiatric..... No  
Medicare Swing Beds..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WHIDBEY GENERAL HOSPITAL

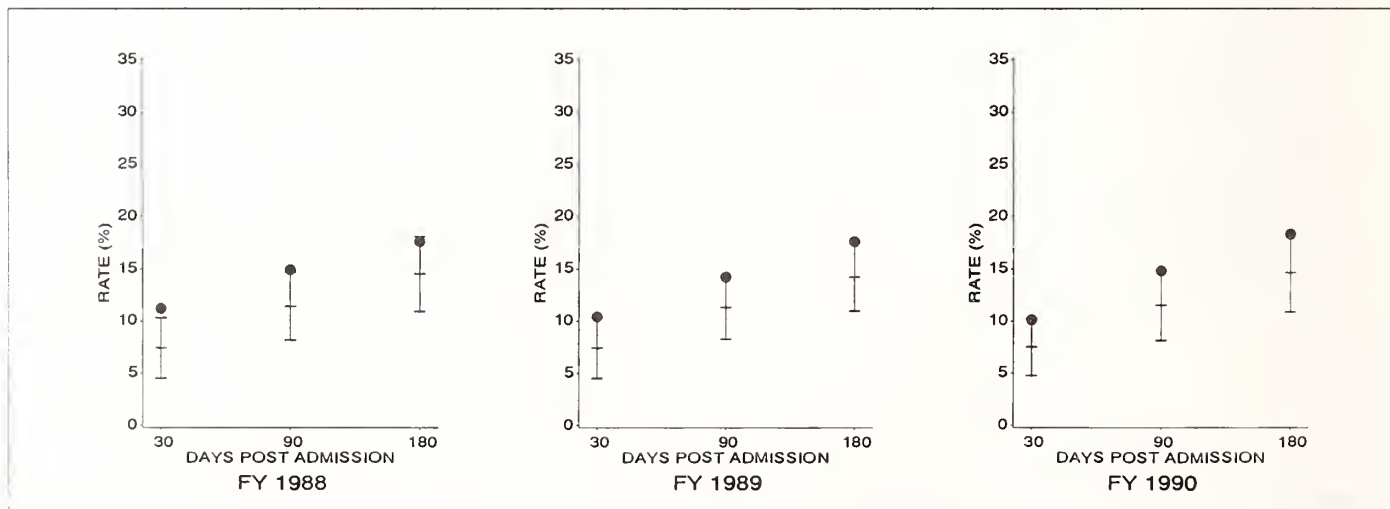
MAIN STREET, BOX 400  
COUPEVILLE, WA 98239  
Medicare Provider Number: 500122

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|-----------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                 | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                 | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 601             | 10.1                | 7.5  | 1.4  | 14.8    | 11.5 | 1.7  | 18.3     | 14.6 | 1.9  |
| CONDITIONS:                                |                 |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 16              | 25.0                | 20.5 | ---- | 31.3    | 23.6 | ---- | 37.5     | 26.5 | ---- |
| Congestive Heart Failure.....              | 26              | 15.4                | 12.2 | ---- | 19.2    | 19.3 | ---- | 19.2     | 24.9 | ---- |
| Pneumonia/Influenza.....                   | 42              | 21.4                | 10.8 | ---- | 23.8    | 15.2 | ---- | 28.6     | 18.5 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 6               | 33.3                | 7.2  | ---- | 66.7    | 12.8 | ---- | 66.7     | 16.6 | ---- |
| Transient Cerebral Ischemia.....           | 8               | 12.5                | 1.9  | ---- | 12.5    | 4.4  | ---- | 12.5     | 7.4  | ---- |
| Stroke.....                                | 24              | 29.2                | 16.9 | ---- | 41.7    | 22.2 | ---- | 50.0     | 25.5 | ---- |
| Hip Fracture.....                          | 22              | 9.1                 | 7.5  | ---- | 13.6    | 12.8 | ---- | 18.2     | 16.4 | ---- |
| Sepsis.....                                | 11              | 18.2                | 20.3 | ---- | 18.2    | 31.1 | ---- | 36.4     | 36.7 | ---- |
| PROCEDURES:                                |                 |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 0               |                     |      |      |         |      |      |          |      |      |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |      |         |      |      |          |      |      |
| Initial Pacemaker Insertion.....           | 1               | 0.0                 | 2.0  | ---- | 0.0     | 4.4  | ---- | 0.0      | 6.5  | ---- |
| Carotid Endarterectomy.....                | 3               | 0.0                 | 0.9  | ---- | 0.0     | 1.8  | ---- | 0.0      | 2.7  | ---- |
| Hip Replacement/Reconstruction.....        | 13              | 7.7                 | 5.8  | ---- | 15.4    | 9.8  | ---- | 15.4     | 12.1 | ---- |
| Open Reduction of Hip Fracture.....        | 15              | 6.7                 | 5.1  | ---- | 13.3    | 9.2  | ---- | 20.0     | 12.3 | ---- |
| Prostatectomy.....                         | 43              | 0.0                 | 0.5  | ---- | 2.3     | 1.3  | ---- | 7.0      | 2.3  | ---- |
| Cholecystectomy.....                       | 17              | 0.0                 | 1.7  | ---- | 0.0     | 3.1  | ---- | 0.0      | 4.2  | ---- |
| Hysterectomy.....                          | 5               | 0.0                 | 0.4  | ---- | 0.0     | 0.9  | ---- | 0.0      | 1.3  | ---- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WHIDBEY GENERAL HOSPITAL

Medicare Provider Number: 500122

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 75.1 years  
Proportion female..... 49.1 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 54.6 %  
Transferred from skilled nursing facility..... 0.0 %  
Admitted for elective procedure..... 25.8 %  
Admitted for emergency..... 2.3 %

### COMORBIDITIES:

Cancer..... 8.2 %  
Chronic cardiovascular disease..... 30.9 %  
Chronic liver disease..... 0.2 %  
Chronic renal disease..... 0.5 %  
Chronic pulmonary disease..... 15.0 %  
Cerebrovascular degeneration..... 4.7 %  
Diabetes mellitus..... 3.7 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 87.6%  
State ..... 8.6%  
Outside State ..... 3.8%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.8 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 51  
Occupancy Rate ..... 49.0 %  
Ownership/Control..... District/Authority  
Medicare Discharges ..... 36.9 %  
Case Mix Index (CMI) ..... 1.2289

### STAFFING:

Total Number of Physicians..... 40  
Percent of Physicians Board  
Certified Specialists..... 90.0 %  
Medical Residents/Interns ..... 0  
Registered Nurses..... 86  
Licensed Practical Nurses ..... 14

### SPECIALTY SERVICES:

Burn Unit ..... No  
Cardiac Intensive Care ..... No  
Comprehensive Geriatric ..... No  
Hospice Care ..... Yes  
Medical/Surgical Intensive Care..... Yes  
Organ/Tissue Transplant ..... No  
Other Intensive Care ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... No  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WHITMAN COMMUNITY HOSPITAL

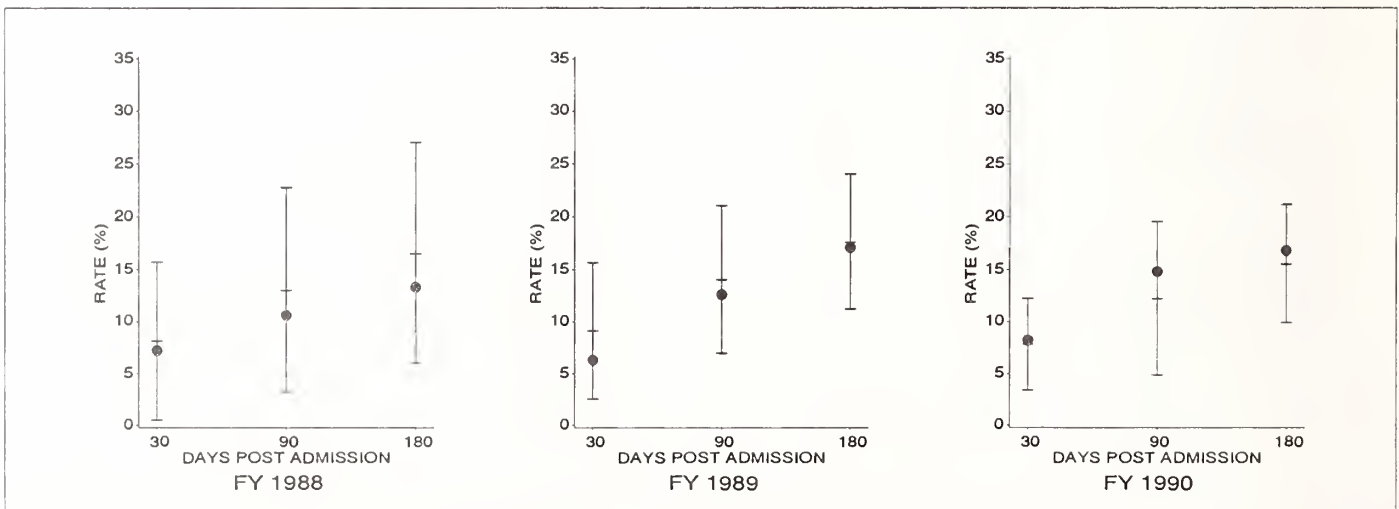
P O BOX 32  
COLFAX, WA 99111  
Medicare Provider Number: 500074

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 196                | 8.2                 | 7.8  | 2.2   | 14.8    | 12.2 | 3.7   | 16.8     | 15.5 | 2.8   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4                  | 25.0                | 23.2 | ----- | 50.0    | 27.6 | ----- | 50.0     | 30.6 | ----- |
| Congestive Heart Failure.....              | 9                  | 11.1                | 14.1 | ----- | 11.1    | 23.0 | ----- | 11.1     | 29.7 | ----- |
| Pneumonia/Influenza.....                   | 11                 | 9.1                 | 10.4 | ----- | 18.2    | 14.4 | ----- | 18.2     | 17.2 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 5                  | 0.0                 | 7.4  | ----- | 20.0    | 14.0 | ----- | 20.0     | 19.7 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 6                  | 33.3                | 25.9 | ----- | 33.3    | 32.3 | ----- | 33.3     | 36.1 | ----- |
| Hip Fracture.....                          | 8                  | 0.0                 | 6.6  | ----- | 25.0    | 12.1 | ----- | 25.0     | 16.4 | ----- |
| Sepsis.....                                | 5                  | 0.0                 | 30.5 | ----- | 20.0    | 36.9 | ----- | 20.0     | 41.7 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 1                  | 0.0                 | 4.5  | ----- | 0.0     | 8.2  | ----- | 100.0    | 12.7 | ----- |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 3                  | 0.0                 | 6.2  | ----- | 0.0     | 12.4 | ----- | 0.0      | 16.6 | ----- |
| Open Reduction of Hip Fracture.....        | 5                  | 0.0                 | 5.3  | ----- | 20.0    | 10.1 | ----- | 20.0     | 13.7 | ----- |
| Prostatectomy.....                         | 10                 | 0.0                 | 0.9  | ----- | 10.0    | 2.1  | ----- | 10.0     | 3.8  | ----- |
| Cholecystectomy.....                       | 4                  | 0.0                 | 3.3  | ----- | 25.0    | 7.2  | ----- | 25.0     | 10.8 | ----- |
| Hysterectomy.....                          | 3                  | 0.0                 | 0.2  | ----- | 0.0     | 0.5  | ----- | 0.0      | 0.9  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

## OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WHITMAN COMMUNITY HOSPITAL

Medicare Provider Number: 500074

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.9 years

Proportion female..... 52.0 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 89.3 %

Transferred from skilled nursing facility..... 0.0 %

Admitted for elective procedure..... 18.9 %

Admitted for emergency..... 12.8 %

### COMORBIDITIES:

Cancer..... 4.6 %

Chronic cardiovascular disease..... 24.5 %

Chronic liver disease..... 0.5 %

Chronic renal disease..... 3.1 %

Chronic pulmonary disease..... 15.8 %

Cerebrovascular degeneration..... 1.5 %

Diabetes mellitus..... 4.6 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City ..... 94.0%

State ..... 4.1%

Outside State ..... 1.9%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 32

Occupancy Rate ..... 15.6 %

Ownership/Control..... Local Government

Medicare Discharges .....(Not Available)

Case Mix Index (CMI) ..... 1.1138

### STAFFING:

Total Number of Physicians..... 9

Percent of Physicians Board  
Certified Specialists ..... 100.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 15

Licensed Practical Nurses..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... No

Organ/Tissue Transplant ..... No

Other Intensive Care ..... No

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... No

Medicare Swing Beds ..... Yes

\*\* Except for CMI

\* Not used in calculating mortality rates



# WILLAPA HARBOR HOSPITAL

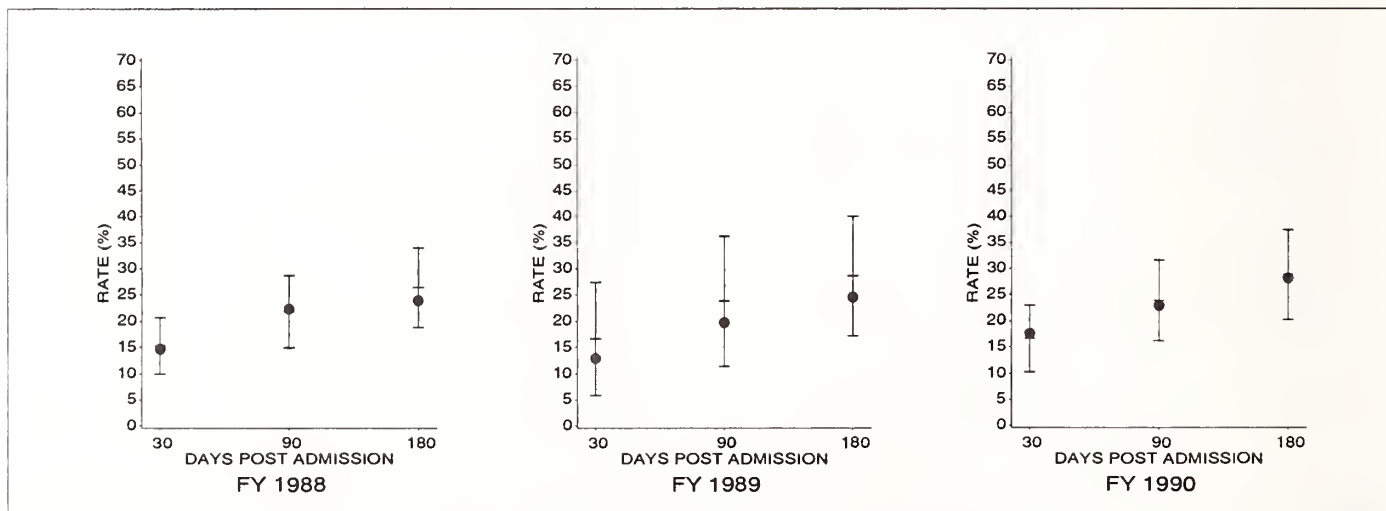
P O BOX 187  
SOUTH BEND, WA 98586  
Medicare Provider Number: 500069

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|--------------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                    | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                    | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 153                | 17.6                | 16.6 | 3.2   | 22.9    | 23.9 | 3.8   | 28.1     | 28.2 | 4.3   |
| CONDITIONS:                                |                    |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 4                  | 50.0                | 27.6 | ----- | 75.0    | 30.2 | ----- | 75.0     | 33.3 | ----- |
| Congestive Heart Failure.....              | 19                 | 21.1                | 14.7 | ----- | 26.3    | 23.1 | ----- | 36.8     | 29.6 | ----- |
| Pneumonia/Influenza.....                   | 16                 | 6.3                 | 16.5 | ----- | 6.3     | 22.6 | ----- | 6.3      | 26.9 | ----- |
| Chronic Obstructive Pulmonary Disease..... | 7                  | 0.0                 | 7.9  | ----- | 14.3    | 13.4 | ----- | 28.6     | 17.6 | ----- |
| Transient Cerebral Ischemia.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Stroke.....                                | 4                  | 50.0                | 26.1 | ----- | 50.0    | 31.8 | ----- | 50.0     | 35.4 | ----- |
| Hip Fracture.....                          | 1                  | 0.0                 | 2.5  | ----- | 0.0     | 4.5  | ----- | 0.0      | 6.0  | ----- |
| Sepsis.....                                | 4                  | 75.0                | 40.1 | ----- | 75.0    | 45.3 | ----- | 75.0     | 48.6 | ----- |
| PROCEDURES:                                |                    |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0                  |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0                  |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 0                  |                     |      |       |         |      |       |          |      |       |
| Carotid Endarterectomy.....                | 0                  |                     |      |       |         |      |       |          |      |       |
| Hip Replacement/Reconstruction.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Open Reduction of Hip Fracture.....        | 0                  |                     |      |       |         |      |       |          |      |       |
| Prostatectomy.....                         | 0                  |                     |      |       |         |      |       |          |      |       |
| Cholecystectomy.....                       | 0                  |                     |      |       |         |      |       |          |      |       |
| Hysterectomy.....                          | 0                  |                     |      |       |         |      |       |          |      |       |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (•) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# WILLAPA HARBOR HOSPITAL

Medicare Provider Number: 500069

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 77.4 years  
Proportion female..... 60.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 1.3 %  
Transferred from skilled nursing facility..... 16.3 %  
Admitted for elective procedure..... 0.0 %  
Admitted for emergency..... 97.4 %

### COMORBIDITIES:

Cancer..... 7.2 %  
Chronic cardiovascular disease..... 37.3 %  
Chronic liver disease..... 0.7 %  
Chronic renal disease..... 1.3 %  
Chronic pulmonary disease..... 15.7 %  
Cerebrovascular degeneration..... 9.2 %  
Diabetes mellitus..... 6.5 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 87.5%  
State ..... 11.5%  
Outside State ..... 1.0%  
Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 4.2 Days  
State ..... 6.4 Days  
National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: Health Care Financing Administration (OSCAR)\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 36  
Ownership/Control..... District/Authority  
Case Mix Index (CMI) ..... 1.0413

### STAFFING:

Medical Residents/Interns ..... 0  
Registered Nurses..... 13  
Licensed Practical Nurses..... 3

### SPECIALTY SERVICES:

Burn Unit ..... No  
Coronary Care Unit ..... Yes  
Hcspice Care ..... No  
Intensive Care Unit ..... Yes  
Organ Transplant ..... No  
Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No  
Rehabilitation..... No  
Psychiatric ..... Yes  
Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# YAKIMA VALLEY MEMORIAL HOSPITAL

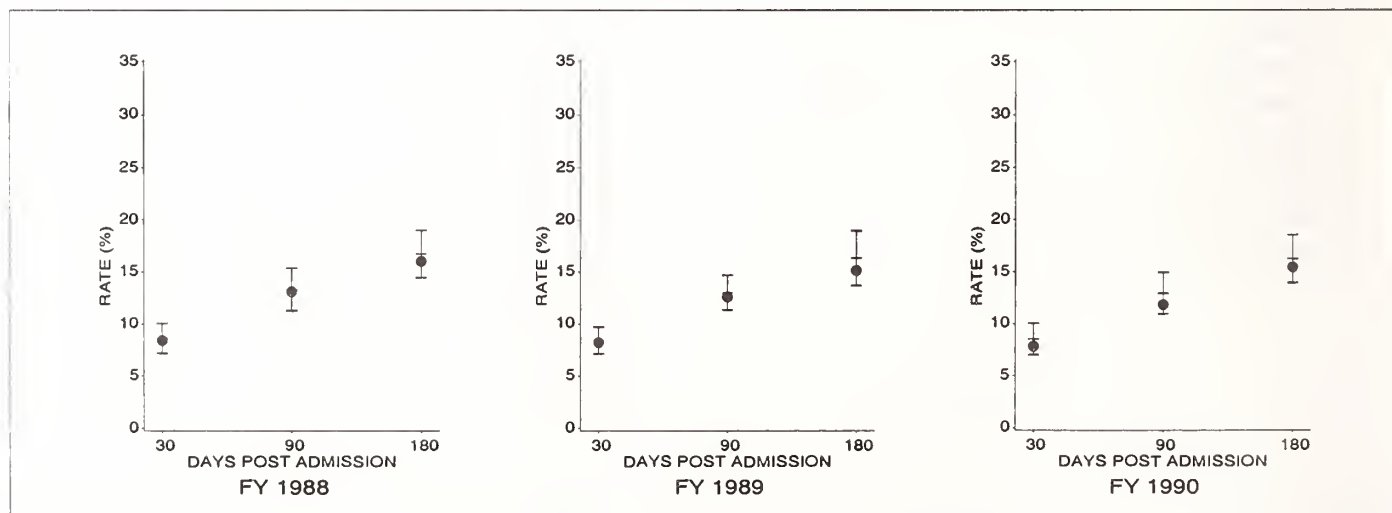
2811 TIETON DRIVE  
YAKIMA, WA 98902  
Medicare Provider Number: 500036

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER OF CASES | MORTALITY RATES (%) |      |       |         |      |       |          |      |       |
|--------------------------------------------|-----------------|---------------------|------|-------|---------|------|-------|----------|------|-------|
|                                            |                 | 30 DAYS             |      |       | 90 DAYS |      |       | 180 DAYS |      |       |
|                                            |                 | OBS                 | PRED | SD*   | OBS     | PRED | SD*   | OBS      | PRED | SD*   |
| ALL CAUSES.....                            | 1921            | 7.8                 | 8.5  | 0.8   | 11.8    | 12.9 | 1.0   | 15.4     | 16.2 | 1.2   |
| CONDITIONS:                                |                 |                     |      |       |         |      |       |          |      |       |
| Acute Myocardial Infarction.....           | 57              | 19.3                | 29.6 | 8.1   | 24.6    | 32.5 | 7.5   | 24.6     | 35.5 | 9.3   |
| Congestive Heart Failure.....              | 65              | 10.8                | 15.1 | 5.9   | 18.5    | 22.9 | 6.6   | 29.2     | 29.0 | 5.8   |
| Pneumonia/Influenza.....                   | 76              | 2.6                 | 13.8 | 5.5   | 14.5    | 19.8 | 6.3   | 21.1     | 23.5 | 5.7   |
| Chronic Obstructive Pulmonary Disease..... | 31              | 12.9                | 9.6  | ----- | 19.4    | 16.3 | ----- | 25.8     | 21.1 | ----- |
| Transient Cerebral Ischemia.....           | 12              | 0.0                 | 1.0  | ----- | 0.0     | 2.4  | ----- | 0.0      | 4.2  | ----- |
| Stroke.....                                | 70              | 12.9                | 20.1 | 6.6   | 15.7    | 25.7 | 8.2   | 21.4     | 29.3 | 7.9   |
| Hip Fracture.....                          | 51              | 5.9                 | 7.0  | 4.5   | 5.9     | 12.2 | 7.1   | 5.9      | 15.8 | 9.1   |
| Sepsis.....                                | 6               | 16.7                | 22.1 | ----- | 16.7    | 32.4 | ----- | 16.7     | 37.5 | ----- |
| PROCEDURES:                                |                 |                     |      |       |         |      |       |          |      |       |
| Angioplasty.....                           | 0               |                     |      |       |         |      |       |          |      |       |
| Coronary Artery Bypass Graft.....          | 0               |                     |      |       |         |      |       |          |      |       |
| Initial Pacemaker Insertion.....           | 13              | 0.0                 | 3.4  | ----- | 7.7     | 5.9  | ----- | 7.7      | 7.8  | ----- |
| Carotid Endarterectomy.....                | 6               | 16.7                | 1.3  | ----- | 16.7    | 2.4  | ----- | 16.7     | 3.6  | ----- |
| Hip Replacement/Reconstruction.....        | 55              | 5.5                 | 2.5  | 2.7   | 5.5     | 4.7  | 2.9   | 5.5      | 6.5  | 3.4   |
| Open Reduction of Hip Fracture.....        | 21              | 4.8                 | 6.4  | ----- | 4.8     | 11.4 | ----- | 4.8      | 15.0 | ----- |
| Prostatectomy.....                         | 166             | 0.0                 | 0.9  | 0.9   | 0.6     | 2.2  | 1.5   | 1.8      | 3.8  | 2.2   |
| Cholecystectomy.....                       | 45              | 4.4                 | 2.3  | ----- | 4.4     | 4.3  | ----- | 4.4      | 5.8  | ----- |
| Hysterectomy.....                          | 28              | 0.0                 | 1.0  | ----- | 0.0     | 2.1  | ----- | 0.0      | 3.2  | ----- |

\* The Standard Deviation (SD) is not calculated if the number of deaths or cases is too small for satisfactory estimation.

### OBSERVED MORTALITY RATE (\*) AND PREDICTED RANGE (± 2 SD) FOR MEDICARE PATIENT ADMISSIONS FOR ALL CAUSES



# YAKIMA VALLEY MEMORIAL HOSPITAL

Medicare Provider Number: 500036

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

Average age at admission..... 74.7 years

Proportion female..... 52.8 %

### ADMISSION SOURCES/TYPES:

Referred by personal or HMO physician..... 50.1 %

Transferred from skilled nursing facility..... 1.9 %

Admitted for elective procedure..... 0.1 %

Admitted for emergency..... 0.6 %

### COMORBIDITIES:

Cancer..... 8.4 %

Chronic cardiovascular disease..... 31.1 %

Chronic liver disease..... 1.0 %

Chronic renal disease..... 1.6 %

Chronic pulmonary disease..... 12.0 %

Cerebrovascular degeneration..... 3.6 %

Diabetes mellitus..... 5.1 %

## ORIGIN AND LENGTH OF STAY OF MEDICARE ADMISSIONS\*

### ORIGIN OF MEDICARE PATIENT ADMISSION:

County/City..... 91.5%

State..... 6.7%

Outside State ..... 1.8%

Total ..... 100.0%

### MEDICARE AVERAGE LENGTH OF STAY:

Hospital ..... 6.9 Days

State ..... 6.4 Days

National ..... 8.6 Days

## HOSPITAL CHARACTERISTICS\*

SOURCE: AHA Annual Survey of Hospitals\*\* - Survey Year 1990

### PROFILE:

Total Beds ..... 224

Occupancy Rate ..... 60.0 %

Ownership/Control..... Private, Non-Profit

Medicare Discharges ..... 23.0 %

Case Mix Index (CMI) ..... 1.2374

### STAFFING:

Total Number of Physicians..... 186

Percent of Physicians Board  
Certified Specialists..... 78.0 %

Medical Residents/Interns ..... 0

Registered Nurses..... 205

Licensed Practical Nurses ..... 61

### SPECIALTY SERVICES:

Burn Unit ..... No

Cardiac Intensive Care ..... No

Comprehensive Geriatric ..... No

Hospice Care ..... No

Medical/Surgical Intensive Care ..... Yes

Organ/Tissue Transplant ..... No

Other Intensive Care ..... Yes

Trauma Center ..... No

### OTHER SPECIALTY/HOSPITAL-BASED SERVICES:

Alcohol/Drug ..... No

Rehabilitation..... No

Psychiatric ..... Yes

Medicare Swing Beds ..... No

\*\* Except for CMI

\* Not used in calculating mortality rates

# WASHINGTON

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |     |         |      |     |          |      |     |
|--------------------------------------------|--------------------|---------------------|------|-----|---------|------|-----|----------|------|-----|
|                                            |                    | 30 DAYS             |      |     | 90 DAYS |      |     | 180 DAYS |      |     |
|                                            |                    | OBS                 | PRED | SD* | OBS     | PRED | SD* | OBS      | PRED | SD* |
| ALL CAUSES.....                            | 102,130            | 9.0                 | 8.5  | 0.1 | 13.5    | 12.9 | 0.2 | 16.8     | 16.2 | 0.2 |
| CONDITIONS:                                |                    |                     |      |     |         |      |     |          |      |     |
| Acute Myocardial Infarction.....           | 3,607              | 22.5                | 24.3 | 1.1 | 25.7    | 27.3 | 1.2 | 28.4     | 30.0 | 1.2 |
| Congestive Heart Failure.....              | 4,507              | 14.9                | 14.3 | 0.7 | 23.5    | 22.5 | 0.8 | 29.6     | 28.6 | 0.8 |
| Pneumonia/Influenza.....                   | 4,657              | 13.5                | 14.4 | 0.6 | 19.7    | 20.0 | 0.8 | 24.0     | 23.8 | 0.7 |
| Chronic Obstructive Pulmonary Disease..... | 1,801              | 10.4                | 8.1  | 0.8 | 17.3    | 14.0 | 1.1 | 22.2     | 18.5 | 1.3 |
| Transient Cerebral Ischemia.....           | 988                | 2.2                 | 1.7  | 0.8 | 4.5     | 3.9  | 1.3 | 7.2      | 6.3  | 1.2 |
| Stroke.....                                | 3,943              | 19.6                | 19.4 | 0.6 | 25.6    | 25.6 | 0.9 | 29.2     | 29.4 | 0.9 |
| Hip Fracture.....                          | 3,036              | 6.9                 | 6.4  | 0.5 | 12.1    | 11.5 | 0.6 | 16.0     | 15.1 | 0.7 |
| Sepsis.....                                | 946                | 21.8                | 22.7 | 1.5 | 29.3    | 30.1 | 2.0 | 33.3     | 34.7 | 2.0 |
| PROCEDURES:                                |                    |                     |      |     |         |      |     |          |      |     |
| Angioplasty.....                           | 1,110              | 2.8                 | 3.1  | 0.7 | 3.4     | 4.0  | 0.8 | 4.1      | 4.9  | 1.0 |
| Coronary Artery Bypass Graft.....          | 1,657              | 5.2                 | 5.2  | 0.6 | 7.2     | 7.4  | 0.7 | 8.0      | 8.4  | 0.8 |
| Initial Pacemaker Insertion.....           | 701                | 3.1                 | 2.8  | 0.7 | 5.8     | 5.4  | 1.1 | 7.8      | 7.9  | 1.3 |
| Carotid Endarterectomy.....                | 827                | 1.2                 | 1.3  | 0.4 | 1.7     | 2.5  | 0.6 | 2.8      | 3.7  | 0.8 |
| Hip Replacement/Reconstruction.....        | 2,935              | 3.2                 | 2.6  | 0.4 | 5.5     | 4.9  | 0.5 | 7.2      | 6.7  | 0.7 |
| Open Reduction of Hip Fracture.....        | 1,321              | 6.4                 | 6.0  | 0.9 | 11.6    | 11.0 | 1.0 | 15.6     | 14.6 | 1.2 |
| Prostatectomy.....                         | 4,491              | 0.6                 | 0.7  | 0.2 | 1.5     | 1.7  | 0.3 | 2.6      | 3.0  | 0.4 |
| Cholecystectomy.....                       | 2,127              | 2.1                 | 2.3  | 0.3 | 3.4     | 4.1  | 0.5 | 4.7      | 5.6  | 0.6 |
| Hysterectomy.....                          | 1,147              | 0.3                 | 0.6  | 0.3 | 0.8     | 1.3  | 0.5 | 1.4      | 2.1  | 0.6 |

\* The Standard Deviation (SD) Is not calculated If the number of deaths or cases Is too small for satisfactory estimation.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

|                                                |            |                                     |        |
|------------------------------------------------|------------|-------------------------------------|--------|
| DEMOGRAPHICS:                                  |            | COMORBIDITIES:                      |        |
| Average age at admission.....                  | 74.1 years | Cancer.....                         | 8.2 %  |
| Proportion female.....                         | 53.9 %     | Chronic cardiovascular disease..... | 34.1 % |
| ADMISSION SOURCES/TYPES:                       |            | Chronic liver disease.....          | 1.0 %  |
| Referred by personal or HMO physician.....     | 51.6 %     | Chronic renal disease.....          | 3.1 %  |
| Transferred from skilled nursing facility..... | 0.8 %      | Chronic pulmonary disease.....      | 14.6 % |
| Admitted for elective procedure.....           | 32.0 %     | Cerebrovascular degeneration.....   | 4.3 %  |
| Admitted for emergency.....                    | 32.4 %     | Diabetes mellitus.....              | 6.5 %  |



# ALL STATES

## FY 1990 MEDICARE HOSPITAL MORTALITY RATES

| CATEGORY                                   | NUMBER<br>OF CASES | MORTALITY RATES (%) |      |      |         |      |      |          |      |      |
|--------------------------------------------|--------------------|---------------------|------|------|---------|------|------|----------|------|------|
|                                            |                    | 30 DAYS             |      |      | 90 DAYS |      |      | 180 DAYS |      |      |
|                                            |                    | OBS                 | PRED | SD*  | OBS     | PRED | SD*  | OBS      | PRED | SD*  |
| ALL CAUSES.....                            | 6,542,299          | 9.0                 | 9.0  | ---- | 13.9    | 13.7 | ---- | 17.3     | 17.1 | ---- |
| CONDITIONS:                                |                    |                     |      |      |         |      |      |          |      |      |
| Acute Myocardial Infarction.....           | 204,673            | 25.3                | 25.6 | ---- | 29.5    | 28.7 | ---- | 32.1     | 31.4 | ---- |
| Congestive Heart Failure.....              | 335,426            | 14.3                | 14.4 | ---- | 22.9    | 22.8 | ---- | 29.2     | 29.0 | ---- |
| Pneumonia/Influenza.....                   | 313,303            | 15.3                | 15.5 | ---- | 21.5    | 21.3 | ---- | 25.5     | 25.1 | ---- |
| Chronic Obstructive Pulmonary Disease..... | 107,387            | 8.0                 | 8.0  | ---- | 14.1    | 14.0 | ---- | 18.7     | 18.5 | ---- |
| Transient Cerebral Ischemia.....           | 96,866             | 1.8                 | 1.8  | ---- | 4.0     | 4.0  | ---- | 6.4      | 6.5  | ---- |
| Stroke.....                                | 241,803            | 19.7                | 19.8 | ---- | 26.5    | 26.3 | ---- | 30.4     | 30.0 | ---- |
| Hip Fracture.....                          | 163,386            | 6.7                 | 6.5  | ---- | 11.7    | 11.5 | ---- | 15.1     | 15.0 | ---- |
| Sepsis.....                                | 80,999             | 25.6                | 25.7 | ---- | 34.6    | 33.8 | ---- | 39.8     | 38.6 | ---- |
| PROCEDURES:                                |                    |                     |      |      |         |      |      |          |      |      |
| Angioplasty.....                           | 58,026             | 3.0                 | 3.0  | ---- | 4.0     | 4.0  | ---- | 5.0      | 4.9  | ---- |
| Coronary Artery Bypass Graft.....          | 80,798             | 6.0                 | 5.7  | ---- | 8.3     | 8.1  | ---- | 9.5      | 9.2  | ---- |
| Initial Pacemaker Insertion.....           | 49,642             | 3.2                 | 3.3  | ---- | 6.5     | 6.3  | ---- | 9.1      | 9.1  | ---- |
| Carotid Endarterectomy.....                | 29,990             | 1.6                 | 1.5  | ---- | 2.8     | 2.8  | ---- | 4.0      | 4.1  | ---- |
| Hip Replacement/Reconstruction.....        | 122,156            | 3.4                 | 3.2  | ---- | 6.2     | 5.9  | ---- | 8.1      | 8.0  | ---- |
| Open Reduction of Hip Fracture.....        | 80,075             | 6.1                 | 6.0  | ---- | 11.2    | 11.0 | ---- | 14.5     | 14.5 | ---- |
| Prostatectomy.....                         | 211,087            | 0.9                 | 1.0  | ---- | 2.2     | 2.3  | ---- | 3.7      | 3.8  | ---- |
| Cholecystectomy.....                       | 124,259            | 2.9                 | 2.7  | ---- | 5.0     | 4.9  | ---- | 6.5      | 6.5  | ---- |
| Hysterectomy.....                          | 53,905             | 0.7                 | 0.7  | ---- | 1.4     | 1.5  | ---- | 2.2      | 2.4  | ---- |

\* The Standard Deviation (SD) Is not calculated.

## FY1990 VALUES FOR SELECTED EXPLANATORY FACTORS USED TO PREDICT MORTALITY RATES

### DEMOGRAPHICS:

|                               |            |
|-------------------------------|------------|
| Average age at admission..... | 74.1 years |
| Proportion female.....        | 55.9 %     |

### ADMISSION SOURCES/TYPES:

|                                                |        |
|------------------------------------------------|--------|
| Referred by personal or HMO physician.....     | 46.1 % |
| Transferred from skilled nursing facility..... | 1.1 %  |
| Admitted for elective procedure.....           | 22.0 % |
| Admitted for emergency.....                    | 46.5 % |

### COMORBIDITIES:

|                                     |        |
|-------------------------------------|--------|
| Cancer.....                         | 7.6 %  |
| Chronic cardiovascular disease..... | 36.6 % |
| Chronic liver disease.....          | 1.0 %  |
| Chronic renal disease.....          | 3.4 %  |
| Chronic pulmonary disease.....      | 15.0 % |
| Cerebrovascular degeneration.....   | 3.9 %  |
| Diabetes mellitus.....              | 8.0 %  |



# **Hospital Comments**



500078

March 17, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Attention: Robert Moore

Dear Mr. Moore:

Ballard Community Hospital requests that the following comments be included in the 1992 publication of the Medicare Hospital Information Report.

Our review of the data revealed that two-thirds of the deaths occurred after the patient had been discharged from the hospital. Of further interest is the fact that of the 15 categories for which statistics were generated, nine of them had numbers so low that HCFA could not satisfactorily estimate the standard deviation.

Ballard Community Hospital has an internal quality assurance system for reviewing all in-hospital deaths with the exception of those people admitted for terminal care. The data released by HCFA in this report does not assist us to "improve the effectiveness of medical practice or the quality of care provided to medicare beneficiaries." The data from our own internal program provides us with a timely and informative method of monitoring and improving, if necessary, the medical practices of our physicians and the assessment and intervention skills of our nursing staff.

The data released in this report would have statistical relevance as "an important step in helping beneficiaries make more informed healthcare decisions" only if people never died. The data as released has probably no validity for use as a selection tool in choosing a healthcare facility because it is not reflective of preventable deaths.

Thank you for the opportunity to provide input on this report.

Sincerely,

A large, stylized handwritten signature in dark ink, appearing to read "Douglas A. Bruce", is written over the typed name and title.  
Douglas A. Bruce  
Administrator

NW Market and Barnes  
Box C-70707  
Seattle, WA 98107-1507  
(206) 782-2700



# DEACONESS

MEDICAL CENTER · SPOKANE

Medicare Provider Number  
500044

March 17, 1992

Gail R. Willensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

West 800 Fifth Avenue

Post Office Box 248  
Spokane, WA  
99210-0248

(509) 453-5800

Dear Colleagues in Health Care:

Thank you for the opportunity to review and respond to Deaconess Medical Center's mortality data which is scheduled for release later this year.

A 372-bed regional tertiary patient care hospital, Deaconess Medical Center provides specialized and traditional care to patients throughout the Inland Northwest. Its air ambulance service transports critically ill patients and the highly-specialized emergency department cares for trauma patients. The Medical Center continues to see an increase in patients who are older and more seriously ill.

Physicians refer their patients to Deaconess to receive specialized care in cardiology, high-risk obstetrics, oncology and intensive care for infants, children and adults.

The mortality data is reviewed by the medical staff, utilization review committee, medical records, nursing service and hospital departments. Each medical staff department reviews all deaths. A hospital-wide quality assurance program designed to objectively and systematically monitor and evaluate the quality and appropriateness of patient care is on-going.

In 1989, a Chicago-based health care consulting firm surveyed 5,557 hospitals and named Deaconess Medical Center as one of the top 100 hospitals in the nation for having the lowest Medicare mortality rates.

We appreciate the opportunity to comment and, if additional information is desired, please let us know.

Very Truly Yours,

Thomas J. Zellers  
Chief Operating Officer



325 Ninth Avenue  
Seattle, Washington 98104  
(206) 223-3000



March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Dr. Wilensky:

Thank you for once again providing us the opportunity to comment on our Medicare hospital information.

Harborview's Medicare mortality rate for all causes in FY 1990 was slightly more than two standard deviations above the predicted rate based upon your model which suggests that there is a greater than 95% possibility that this variation is due to something other than chance. This is consistent with your data for previous years in which the Harborview mortality rate has been above the HCFA predicted rate. This is due directly to Harborview's status as a Level 1 Trauma Center. Trauma from throughout the northwest accounts for approximately 34% of our admissions and is the largest single cause of death. HCFA's methodology, however, does not adjust for trauma or its severity. Available data on trauma mortality reflects that Harborview compares favorably with other trauma centers and that the Injury Severity Score (ISS) of patients who die has not changed between 1989 and 1990.

We understand that in determining predicted mortality rates HCFA has relied on information contained on the UB-82 form. While a record of SNF transfers has been maintained at Harborview, the source code designation reflecting transfer from a SNF was not being noted on the UB-82. As SNF transfers are mostly Medicare and have a disproportionately high mortality, we believe our predicted mortality rate to be significantly understated. We are now ensuring that this information is properly recorded on the UB-82.

Dr. Willensky Letter  
March 18, 1992  
Page 2

We wish to again stress, as mentioned last year, that HCFA's methodology does not adjust for Harborview's exceptionally high severity of illness common in our particular underprivileged and indigent patient population. Until HCFA makes adjustments in its methodology to account for severity of illness, we expect to see our mortality rates continue to be above the mean.

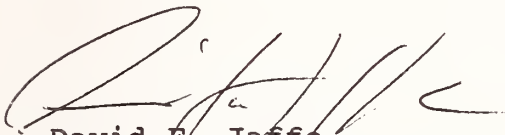
The National Association of Public Hospitals (NAPH), of which Harborview is a member, has continued to question the accuracy of the HCFA model as it pertains to the special concerns of patients who use public hospitals. Some of the concerns include:

1. Failure of the model to account for post-discharge medical treatment in other facilities.
2. Failure to consider anticipated deaths at the time of hospital admission.
3. Failure to accurately account for out of hospital, post discharge incidents that may cause or contribute to patient mortality.

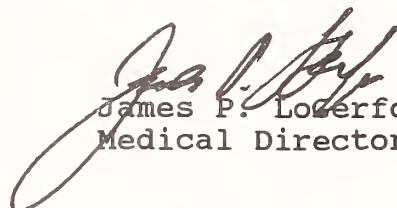
We believe these concerns to be valid and that HCFA's methodology should be adjusted to account for these particular variables affecting public hospitals.

In regard to the section on hospital characteristics, Harborview has again been incorrectly referred to as not having a coronary care unit. We do have an extremely active coronary care unit and would therefore appreciate you making the necessary revisions in your records.

Sincerely,



David E. Jaffe  
Executive Director/CEO



James P. Loeferfo, M.D.  
Medical Director

cor22:035



# HIGHLINE COMMUNITY HOSPITAL

16251 Sylvester Road S.W. / Seattle, WA 98166 / (206) 244-9970

Medicare Provider Number: 500011

TO: Gail R. Wilensky, Phd., Administrator  
HCFA-Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

3/18/92

Dear Ms. Wilensky,

The HCFA chose 1,722 of 2,394 Medicare admissions at Highline Community Hospital from 10/1/89 to 9/30/90. We are a non-profit, JCAHO certified facility. We received outlier status in all categories specified.

Because we are very much concerned about the quality of care we deliver to all patients, including those covered by Medicare, we performed, on receipt of your report, an internal review. Assuming we could have most impacted care on the 30 day group, specifically those patients that died in-house, we analyzed these deaths. 51 of 199 deaths within 30 days of admit were both in-house deaths and had an outlier diagnosis specified by HCFA. The following is our analysis of these 51 deaths:

## Outlier diagnosis:

|         |     |                  |     |                 |     |
|---------|-----|------------------|-----|-----------------|-----|
| Stroke: | 29% | Hip replacement: | 6%  | Pneumonia:      | 11% |
| CHF:    | 15% | Angioplasty:     | 2%  | Cholecystectomy | 2%  |
| MI:     | 23% | COPD             | 10% | Sepsis:         | 2%  |

## Characteristics of these patients:

Nursing home residents: 15 (29%)

Age: (range 67-95yrs) average age 79 yrs. Patients 80 yrs or older: 21 (41%)

Admits to Highline per year: (range 1-5) average 1.6 adm/yr

LOS: (range <1-28 days) average 5 days

Pts w/accompanying cancer diagnoses: 2

The following are discharge dispositions of all Medicare patients in FY 90:

- 1,741 home. (73%)
- 416 skilled nursing facility (17%)
- 153 expired (6% of Medicare admits) \*\*
- 44 transferred to another facility (2%)
- 33 transferred to an acute hospital
- 5 left against medical advice
- 2 transferred to intermediate care

\*\* Data from the National Center for Health Statistics indicate the inpatient mortality rate for Medicare hospitalizations is 6.5%. (JAMA, "Analyzing Hospital Mortality" April 10, 1991-vol 265, No. 14, page 1853)

Highline Community Hospital  
Medicare Provider Number: 500011

Total in-house mortality (all pts) for FY 90: 235  
16% of all deaths in FY 90 at Highline Hospital were cancer related.

We have concluded that no untoward trends of in-house deaths exist. Nearly half were very elderly (80 yrs or older) and most had co-morbid conditions.

The in-house mortality study included cases such as:

1. - Rapidly deteriorating end stage lung disease, heavy smokers. (2 cases)
  - asthma with ASHD, CHF, and cirrhosis.
  - admitted for supportive care, Multiple Sclerosis
2. Pts arriving as emergencies with:
  - cheyne-stokes
  - severe respiratory distress
  - CPR in progress on admit. (Found without pulse in nsg home, 3 cases)
  - massive MI, CPR in progress
  - massive CVA (via ER), removed life support

We would suggest that deaths after discharge, especially those 3 and 6 months later, may have many other factors related to death other than care received during the hospital stay.

We have, and will continue to study, track and trend unexpected deaths by hospital peer review.

In an attempt to continuously improve care, in 1991-2 we have reviewed random cases of pneumonia and cholecystectomy for adherence to practice standards.

We feel the following to be contributory to our outlier status:

- Our hospital does not at the present time have a hospice service.
- Our surrounding community has a large nursing home population.
- We service a higher number of medical vs. surgical patients.

We are confident of the services our hospital provides and hope our statements are useful in viewing the HCFA study in context. We have comprehensive Quality Assurance/Risk Management programs in place and will continue to monitor the quality care we deliver.

Sincerely,



Paul Tucker  
Administrator

\\hcfa2



# KADLEC MEDICAL CENTER

Medicare  
Provider # 50-0058

888 Swift Boulevard  
Richland, WA 99352

(509) 946-4611

Jon R. Davis  
Administrator

## COMMENTS ON HCFA MORTALITY DATA - FISCAL YEAR 1990 CASES

The data used by HCFA indicates 928 Medicare patients were discharged from Kadlec in fiscal year 1990 (10/1/89 to 9/30/90) and identifies 86 patients who died within 30 days, another 42 within 90 days, and another 35 within 180 days of hospitalization.

Analysis of our own internal data has identified patients who were hospitalized at Kadlec during this time period but are not on the HCFA list. This appears to be explained by HCFA methodology of selecting only one random hospitalization for any beneficiary who was hospitalized at more than one facility during the year.

We have verified HCFA information about the patients who died while inpatients at our facility and have identified patients who died at Kadlec during this time period but are not on the HCFA list. Again, this appears to be explained by the methodology used in the report. It is impractical for us to confirm information about patients who died after discharge as this information is not included in the patient's hospital records.

Without detailed information concerning the billing data utilized by HCFA in computing the predicted and observed mortality rates, we are unable to verify the accuracy of the diagnostic or other data used in the analysis. We do note that patients were grouped by diagnosis and procedure, but these groups may not always accurately reflect the actual cause of death. The total number of patients in the diagnostic categories reported by HCFA are not comparable to our actual numbers of patients in similar groups.

Kadlec has an ongoing, comprehensive quality review program that monitors and evaluates important aspects of patient care and patient outcome. The HCFA mortality data is considered in this process, in addition to other clinically pertinent information, so that opportunities to improve patient care are identified.

Finally, we emphasize that the HCFA data does not, in itself, measure a hospital's performance or quality of care. The inclusion of patients who died after discharge from a hospital and the random selection of a specific hospitalization may result in the attribution to a particular facility of deaths that are unrelated to the condition for which the patient was under treatment at the time of discharge or that resulted from post-discharge care that was outside the scope of the hospital services. In this report, the rates of occurrence do not appear to be significant or accurate based on our understanding of the methodology applied.



Jon R. Davis  
Administrator



PROVIDENCE MEDICAL CENTER

500 17th AVENUE  
P.O. BOX 34008  
SEATTLE, WASHINGTON 98124  
PHONE: (206) 320-2000



SISTERS OF  
PROVIDENCE

SERVING IN THE WEST SINCE 1856

March 9, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187

Medicare Provider #  
500025

ATTN: Robert Moore

RE: Medicare Hospital Information 1992

Dear Mr. Moore:

We are pleased to make corrections and comments regarding the 1992 Medicare Hospital Information.

We would like to correct the Hospital Characteristics as we have had a Rehabilitation Unit and a Psychiatric Unit for many years. In late 1990 we increased our licensed beds from 376 to 409 with the addition of a Skilled Nursing Facility.

Overall we are very pleased with the FY 1990 Medicare Hospital Mortality Rates. The extremely high case mix index (CMI) of 1.9292 reflects the very sick, medically complex, medicare population that we serve which prolong our length of stay.

All of the categories of mortality in which there are sufficient cases or death, for a satisfactory estimation, lie within the bounds calculated for the 75th percent prediction interval. Therefore, any actual rates above the predicted rates are likely due to chance alone.

Sincerely,

Peter Bigelow  
Administrator  
Providence Medical Center



*Moving Ahead*

March 18, 1992

Gail R. Wilensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
ATTN: Robert Moore

Dear Mr. Moore,

Thank you for this opportunity to respond and comment upon the 1990 mortality rates for the eight diagnostic categories and the nine procedure categories compiled and released by HCFA in 1992. The data has been reviewed by our Quality Assurance and Medical Staff Service Committees and found to be accurate and comprehensive.

As a general acute care medical facility, Puget Sound Hospital provides medical and surgical services to patients with a broad spectrum of illness, injuries and conditions. Our patient population represents a wide variety of ages and socio-economic groups. Providing the best medical care possible in all circumstances is our uncompromising goal.

We are very pleased to note that our actual total mortality rate during the survey period was 5.7% which was below our 1989 rate of 6.8%.

Due to the small number of cases and deaths in each category, the standard deviation was not calculated in the mortality rate tables for Puget Sound Hospital.

Health Care Financing Administration  
March 18, 1992

Medicare Provider No. 500045

We have reviewed each category in which our Observed Mortality Rate (OBS) and the Predicted Rate Differed. All deaths which occur in our facility are reviewed by the Quality Assurance Committee and the medical staff committees to confirm the appropriateness of care rendered. In review of the mortality cited, we have found no deficiencies in the quality of care provided, nor any deviations from accepted standards of care. In addition, the following should be noted:

- \* Myocardial Infarction: 6 of the 8 patients expired:
  - 4 expired while hospitalized and were NO-CODE status --death was expected.
  - 1 was a FULL -CODE due to family request, this patient expired from acute renal failure.
  - 1 was a FULL-CODE that expired the same day of admission after experiencing a cardiac arrest a home.
- \* Chronic Obstructive Pulmonary Disease: 7 of the 19 patients expired.
  - 2 expired while hospitalized and were NO-CODE status.
  - 4 were discharged ambulatory and expired 6 months or more after discharge.
  - 1 expired at home one day after discharge . This patient requested to die at home.

It should be noted that in 10 of the 15 categories (66%) that we were involved in, the mortality rate was less than the predicted rate.

Puget Sound Hospital welcomes studies of this kind which reaffirms the success of our Quality Assurance efforts and helps us focus our attention on those areas where we continually strive to improve.

Sincerely,



Bruce Brandler  
Administrator

March 19, 1992

500050



The Health Care Financing Administration has prepared a statistical mortality summary and is prepared to release this information publicly. There are several important issues in this data that should be made known as they relate to Southwest Washington Medical Center.

In October, 1989, Southwest Washington Medical Center consolidated services under one provider number. In this action two campuses were identified by the provider number 500050. The mortality data continues to identify two separate hospitals with provider numbers (500050 and 500114). In the mortality report, hospital 500114 has been reported, presumably in error, with 2 admissions in the fiscal year 1990. Thus, the mortality rates are based on only two hospital admissions.

Most important, it is fundamentally incorrect to report hospital mortality by including mortality occurring after discharge. Although it is possible that the mortality is related to the condition for which the patient was admitted, one cannot make that conclusion for all cases of mortality, which the data suggests. In our data, approximately 75% of the deaths reported in the summary did not occur in the hospital setting. It would be more useful if hospital mortality were a separate data column or if the report were not titled "Medicare Hospital Mortality Rates." It is not possible for the public to correctly derive hospital mortality from this data.

If hospital mortality is to be reported and made available to the public, it is imperative that a link to the hospitalization be made and that information is reported correctly. Otherwise, HCFA will be reporting community mortality in Medicare patients, not hospital mortality.

We support the efforts of HCFA to provide mortality information and ask that these comments be considered in future reporting.

Sincerely,

  
Eugene Johnson  
Executive Vice President

EJ:mlj/hcfacmnt

P.O. Box 1600  
Vancouver, WA 98668  
Medical Center  
Memorial Campus  
Vancouver: 256-2000  
Portland: 239-1515





ST. JOSEPH HOSPITAL AND HEALTH CARE CENTER

Hospital ID:500108

### **HCFA MORTALITY ANALYSIS Fiscal year 1990**

Statistical evaluation of the FY 90 HCFA mortality data indicates that mortality rates at St. Joseph Hospital and Health Care Center (SJH) are all within the predicted confidence intervals. Values for 3 conditions and 2 procedures are mid to high normal within the confidence interval and therefore have been reviewed in greater detail as a part of the SJH continuous quality improvement philosophy. It should be noted that mortality rates at SJH for virtually all HCFA clusters have steadily declined from 1988 through 1990.

#### **Observed rates vs. Predicted Interval**

Selecting the 95% confidence level, it was found that observed mortality rates were within acceptable confidence intervals for predicted mortality based on the HCFA mortality model. Specifically, the observed mortality rate at 30 days for CHF was 20.6; the predicted interval at 95% was 1.7 to 24.1. For Pneumonia/Influenza, the observed rate was 15.6 while the predicted interval was 7.4 to 22.6. The observed rate for Hip Fracture was 8.5 while the predicted interval was between -0.9 and 13.9. For CABG, the observed was 5.2 while the predicted interval was between 0.3 and 9.1. Hip replacement showed an observed mortality rate of 9.4, with a predicted interval between -4.0 and 10.8.

At 180 days the observed mortality rate for CHF was 35.1, the predicted interval was 14.6 to 39.4. For CABG the observed mortality was 8.3, with the predicted interval between 2.3 and 13.9. For pneumonia/influenza, the observed rate was 28.9 while the predicted interval was between 12.4 and 37.2. Similar patterns were observed with respect to stroke, and hip replacement. These statistics demonstrate that SJH mortality rates are consistently within normal distributions.

#### **Review of Hospital Specific Explanatory Variables**

It should be noted that the statistical information used by HCFA for selected explanatory factors to predict mortality rates varies from SJH internal data. The significance as it relates to mortality rates would be a higher HCFA predicted mortality due to increased comorbidities.





Despite this variation, SJH elected to review cases in the 5 categories of potential concern in keeping with SJH continuous quality improvement endeavors. A determination of characteristics of sample individuals was conducted in an effort to isolate any events which may have been controllable in affecting mortality outcome.

**Findings summary:**

A review of comorbidities of those patients who died at SJH reveals that 30% had renal failure, 50% had severe chronic heart disease, and 38% had chronic lung disease.

An internal focus review of CABG patients found that of 53 Medicare patients (represents a 25% random sample of all 1990 CABG patients with variable outcomes), 30% were diabetic, 15% had renal failure, and 71% had COPD.

All deaths attributed to the Pneumonia/Influenza category were found to be related to significant comorbidities or causes of death other than pneumonia or influenza.

Hip fracture and Hip replacement/reconstruction category reviews revealed deaths related to comorbidities and/or events unrelated to the Hip diagnosis.

All deaths were reviewed case by case as part of the medical staff quality assessment process with no quality of care concerns identified.

**Strategy for improvement**

SJH has adopted a continuous quality improvement philosophy which enhances existing procedures designed to monitor, evaluate and modify process to ensure good care and quality outcomes for the community we serve. The establishment of the Department of Clinical Outcomes Research and Care Management in July 1991 further typifies SJH's dedication to improving quality and patient outcomes.

  
John R. Long, FACHE  
President and Chief Executive Officer



# ST. LUKE'S MEMORIAL HOSPITAL

Medicare Provider Number  
500035

March 17, 1992

Gail R. Willensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

South 711 Cowley

Post Office Box 288  
Spokane, WA  
99210-0288

(509) 838-4771

Dear Colleagues in Health Care:

St. Luke's Memorial Hospital has reviewed its latest mortality data and offers the following response.

We believe the appropriate assessment of hospital performance is dependent upon many variables and requires a study of many quality indicators of which mortality is but one.

However, with regard to our recent mortality data: the St. Luke's medical staff and quality assurance committees review all mortality cases to assure that care is appropriate and consistent with the severity of the illness. In addition to a case by case review, cumulative data is prepared and analyzed on a consistent basis. Information obtained as a result of these reviews is used in efforts to maintain the highest standard of patient care.

Since its establishment in 1897, St. Luke's Memorial Hospital has been serving the health care needs of Spokane and the Inland Northwest. St. Luke's is a fully accredited 146-bed, not-for-profit hospital, known for its work in rehabilitation, neurology, orthopedics, home health care and outpatient services. A comprehensive cancer program currently in development will offer a multi-disciplinary team of professionals who work together to coordinate the care of cancer patients. Inpatient and outpatient cancer services will include detection, education, counseling, diagnosis, treatment and rehabilitation.

As indicated in previous years, if we can be of further assistance, please do not hesitate to call.

Sincerely,

Patricia A. Thompson  
Chief Operating Officer



# Valley Hospital and Medical Center

Medicare Provider Number  
500119

East 12606 Mission

Spokane, WA  
99216

(509) 924-6650

March 17, 1992

Gail R. Willensky, Ph.D., Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management and Strategy  
Room 3-A-12, Security Office Park Building  
6325 Security Boulevard  
Baltimore, Maryland 21207-5187  
Attn: Robert Moore

Dear Colleagues in Health Care:

This letter is in response to Valley Hospital and Medical Center's mortality data which is scheduled for public release later this year.

The medical staff at Valley Hospital and Medical Center conducts an intensive review of the medical records of every patient who dies in our hospital to assure that the care was appropriate and consistent with the severity of illness. Directors of medical records and utilization management review mortality data in conjunction with specific medical staff members and quality assurance committees. Information obtained as a result of these reviews is utilized in our efforts to maintain the highest standards of patient care.

Valley Hospital and Medical Center is a 123-bed facility which focuses on primary and acute care and provides Valley residents with comprehensive medical and health care. Its broad scope of services includes major medical, surgical, critical care and family-centered maternity/pediatric care. With the recent addition of new technology, all types of cardiac and vascular testing are available.

This is the fifth year Valley Hospital has responded to HCFA mortality data; if more information is desired, please do not hesitate to call.

Sincerely,

Michael T. Liepman  
Chief Operating Officer





March 10, 1992

Gail R. Wilensky, Ph.D. Administrator  
Health Care Financing Administration  
Medicare Hospital Information  
Bureau of Data Management & Strategy  
Rm. 3-A-12, Security Office Park Building  
6325 Security Blvd.  
Baltimore, MD 21207-5187

Attn: Robert Moore

ID #500122

Whidbey General Hospital is a rural, acute care hospital located 75 miles from a metropolitan area. It continues to service an island community which is one of the more rapidly growing retirement areas within the State of Washington. The hospital has a 24-hour staffed emergency room, a growing medical ambulatory care program with medical oncology services, and diagnostic radiology support service for ultrasound, nuclear medicine and CAT scans. The hospital does not do extensive cardiovascular or neurological surgery. It has a home health care program. The hospital is supportive of patient advance directives. The older average age of our patients combined with our geographical location and the need to triage patients for more complex medical and/or trauma care will affect the number of patients with initial admissions to Whidbey General Hospital and a subsequent death. The hospital has an active internal quality review program which reviews all inpatient deaths. The number of our deaths in the Medicare report is too small for determining standard deviations. However, the information from HCFA will be incorporated into our internal quality review program and be used to evaluate the care of patients who expire within three and six months of an admission.

Thank you for sharing this information with us.







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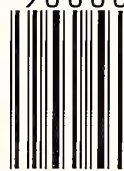


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